

Imports and the NASA Supply Base

**Presentation by Alan Tonelson
Research Fellow
U.S. Business and Industry Council**

to

Supply Chain 2010

**4th Annual NASA Supply Chain
Quality Assurance Conference
NASA Goddard Space Flight Center
Greenbelt, Md.**

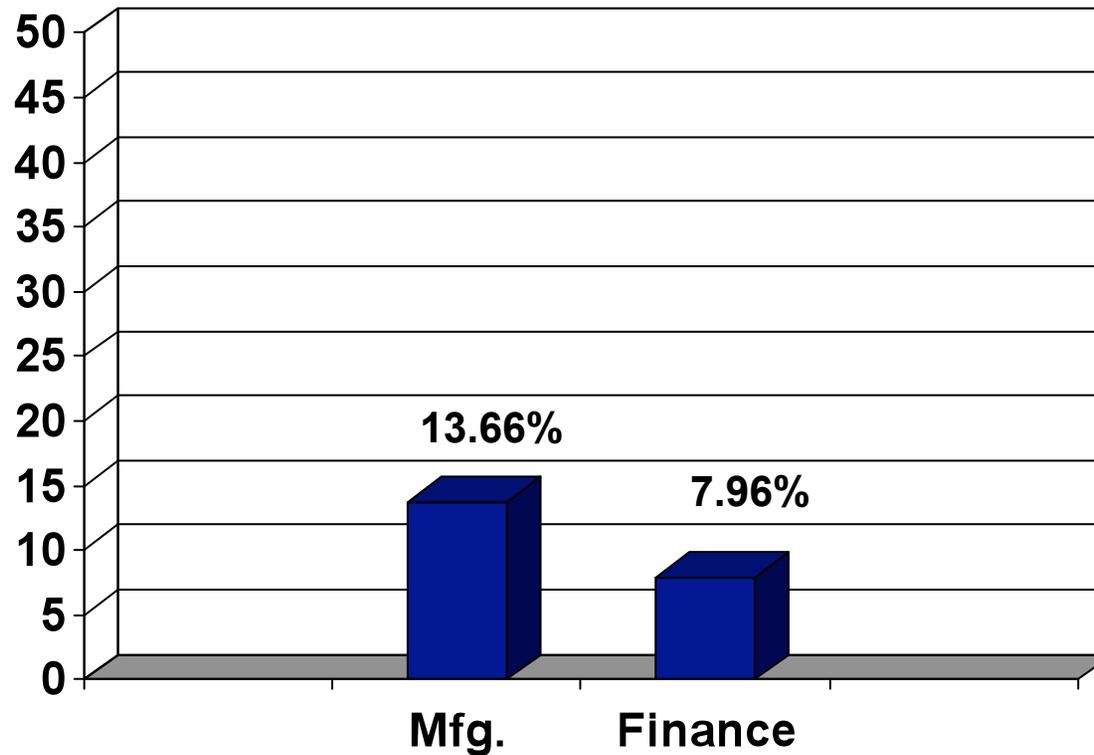
October 20, 2010

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Share of Real GDP – 2008

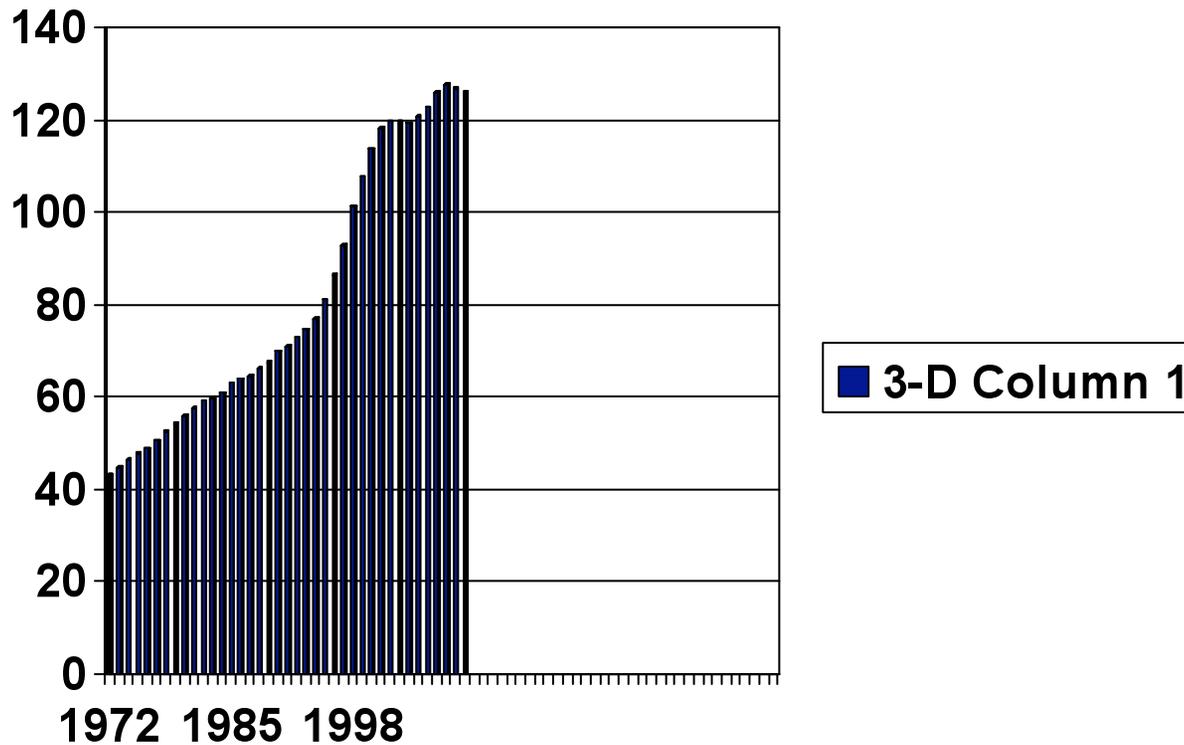
(Manufacturing is still much bigger than finance!)

Source: Bureau of Economic Analysis, Department of Commerce



Industrial Capacity (NAICS) – 1972-present (Aug.) -- (Shrinking in absolute terms for only the second time on record!)

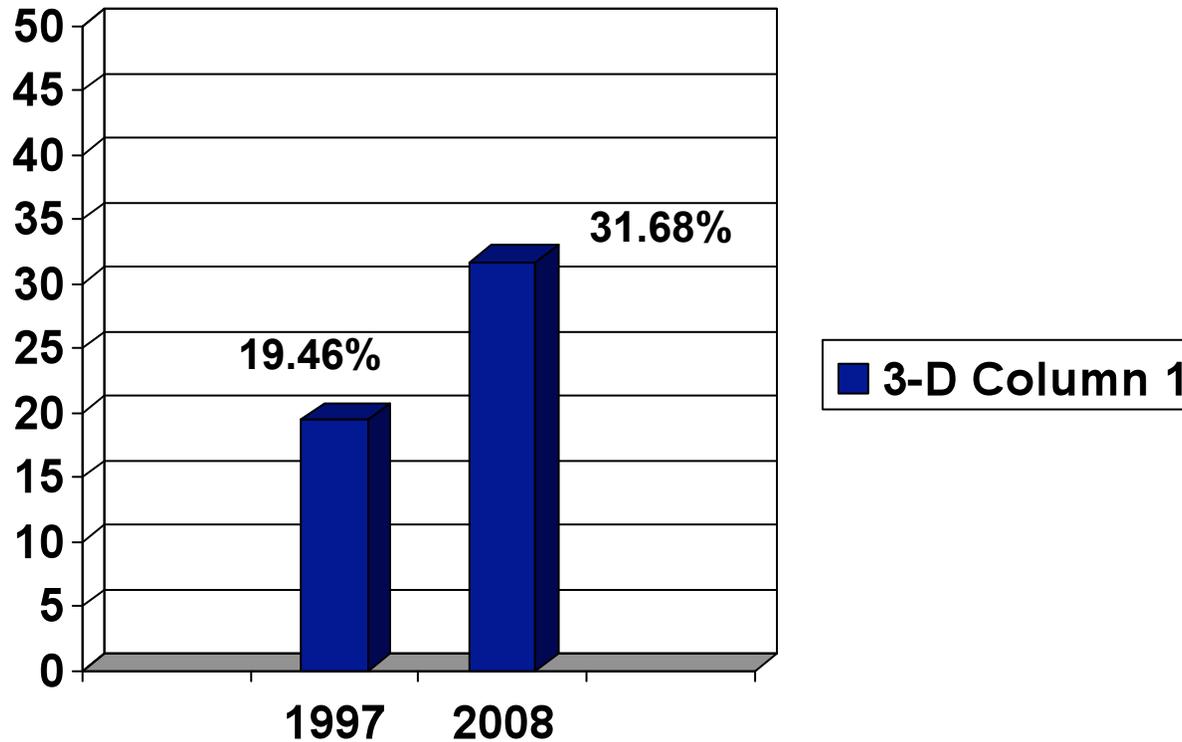
Source: Federal Reserve



Import Penetration Rate, Manufacturing Total 1997-2008

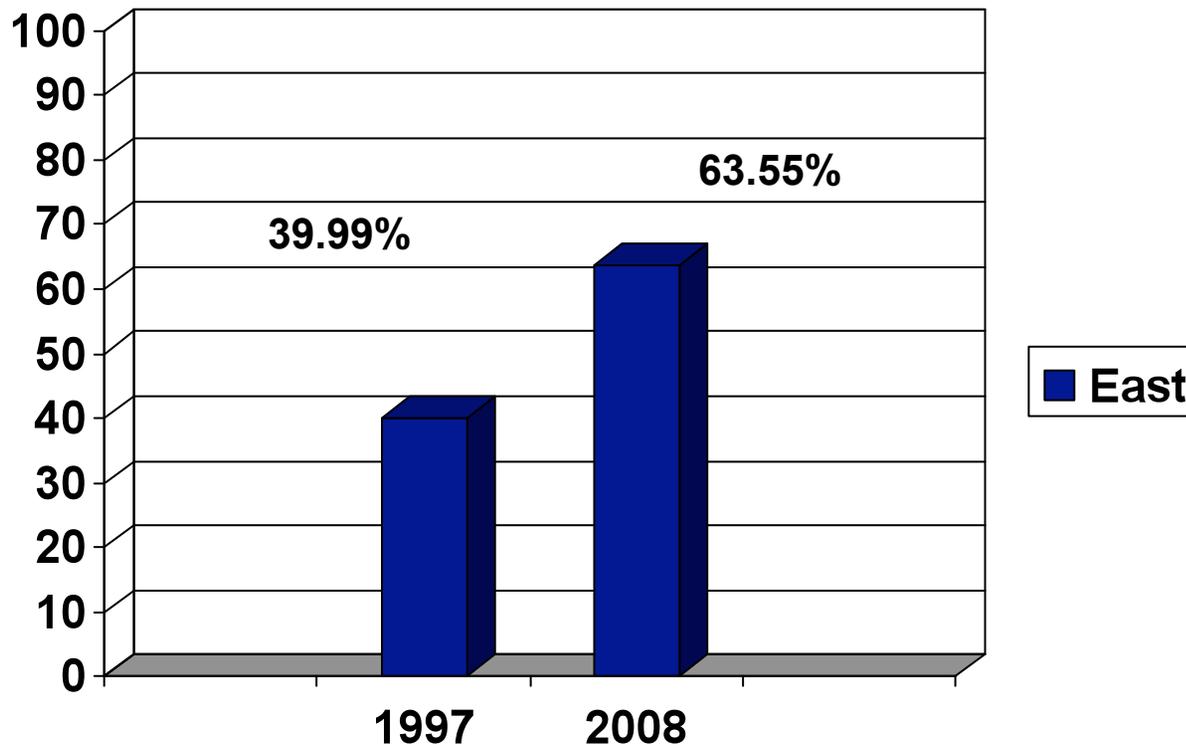
(Domestic manufacturers keep losing huge shares
of their home market to foreign competitors!)

Source: Calculated from Census Bureau Data



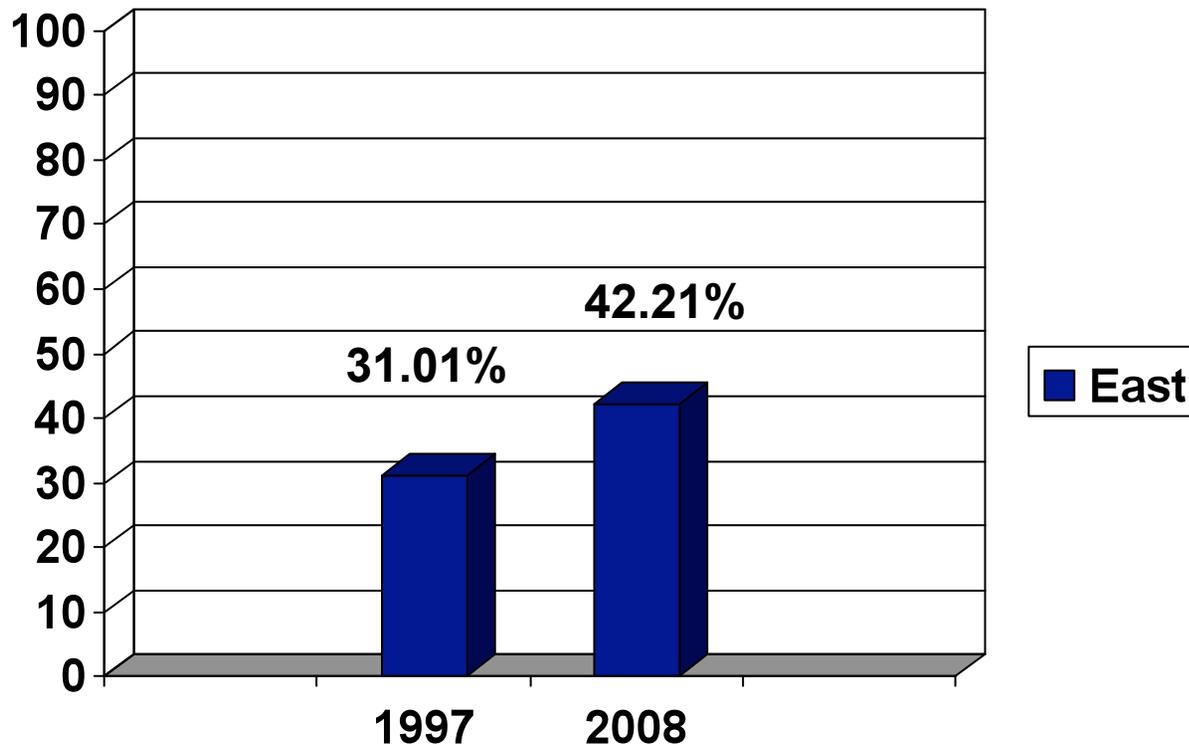
Import Penetration Rate, Aircraft Engines & Engine Parts 1997-2008

Source: Calculated from Census Bureau Data



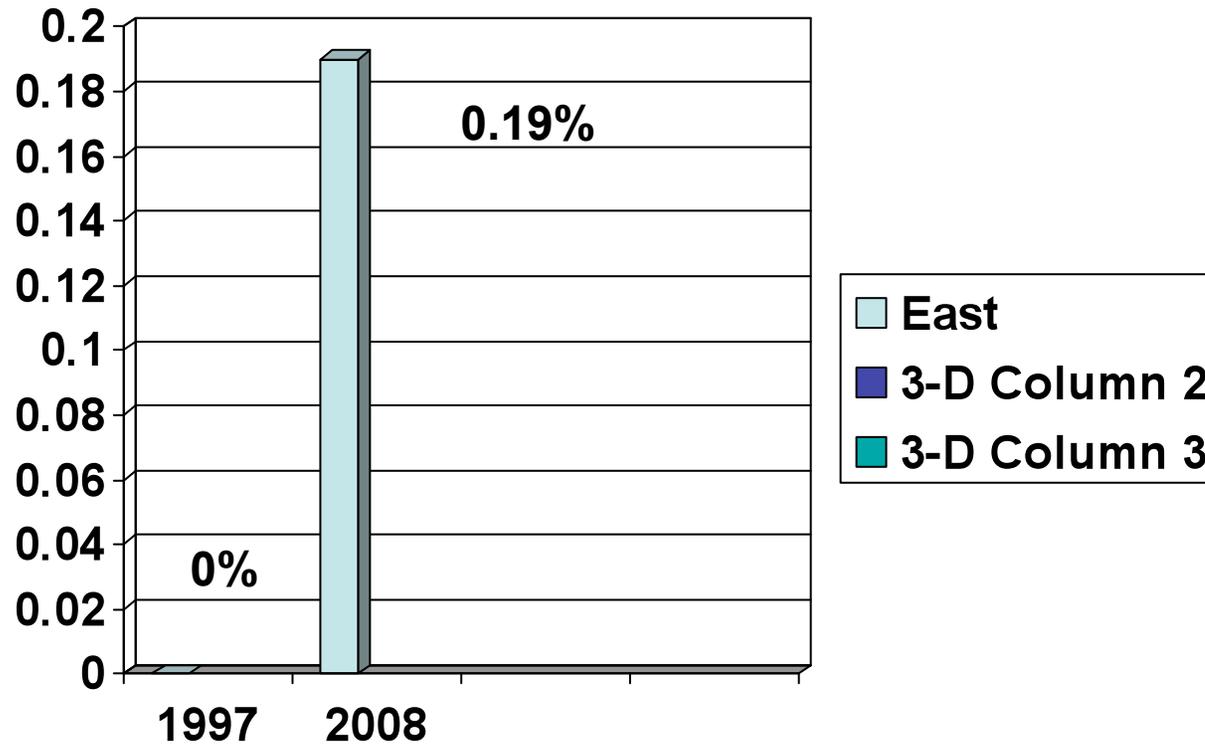
Import Penetration Rate, Non-engine Aircraft Parts 1997-2008

Source: Calculated from Census Bureau Data



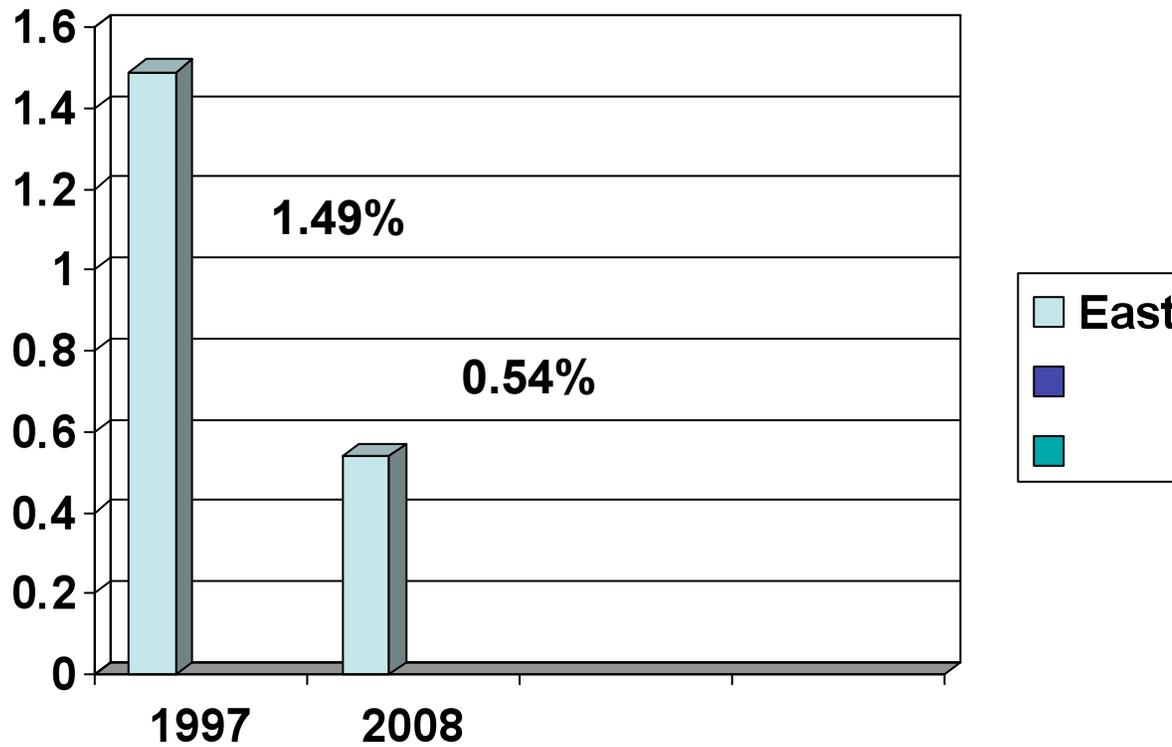
Import Penetration Rate, Guided Missile & Space Vehicles 1997-2008

Source: Calculated from Census Bureau Data



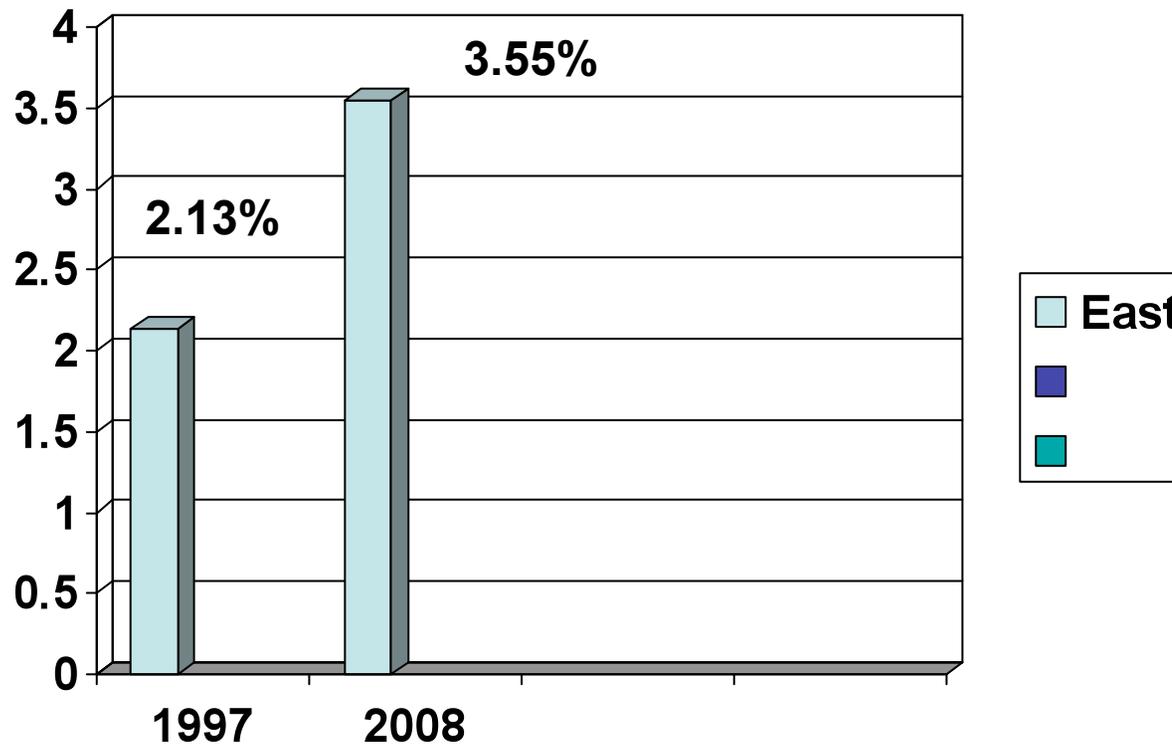
Import Penetration Rate, Guided Missile & Space Vehicles Propulsion Units & Parts, 1997-2008

Source: Calculated from Census Bureau Data



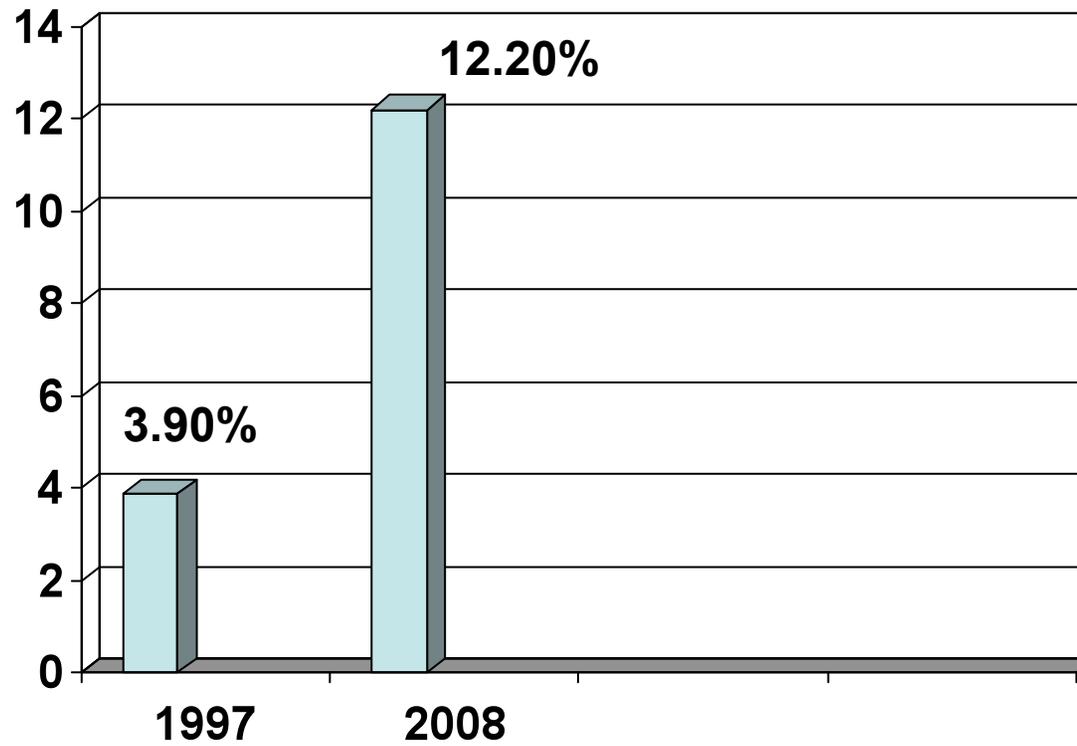
Import Penetration Rate, Guided Missile & Space Vehicles Non-Propulsion Parts, 1997-2008

Source: Calculated from Census Bureau Data



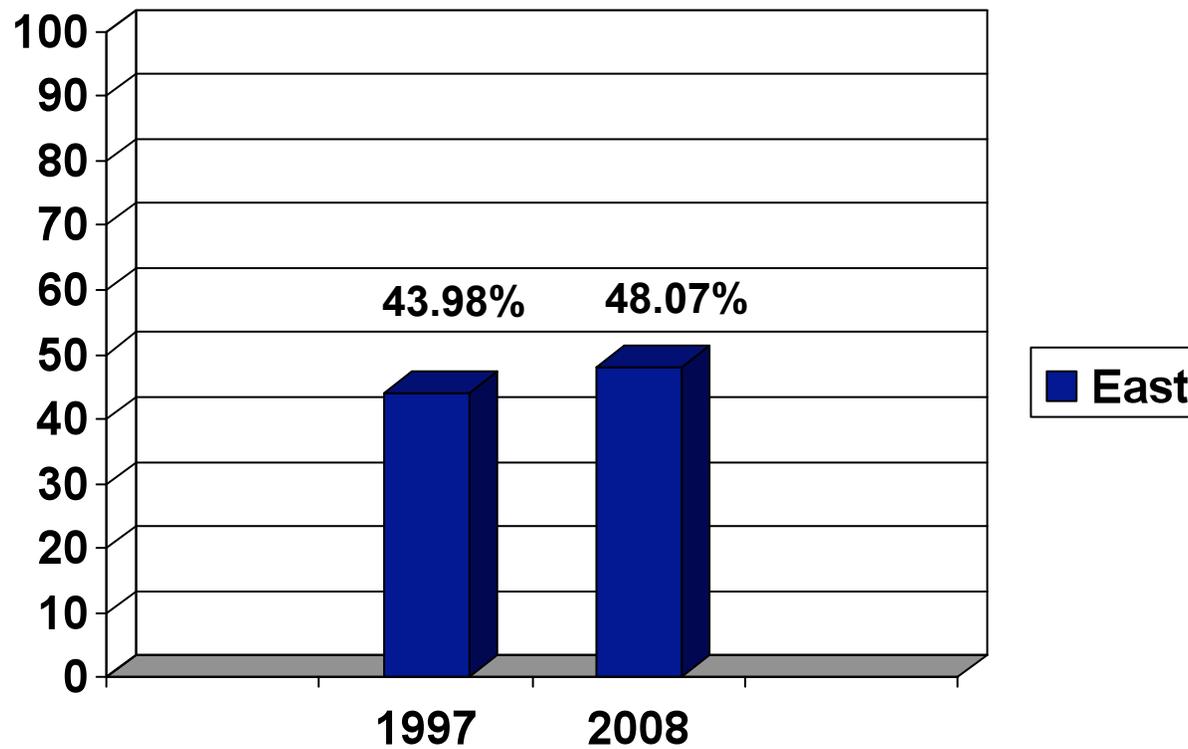
Import Penetration Rate, Search, Detection, Navigation, & Guidance Instruments, 1997-2008

Source: Calculated from Census Bureau Data



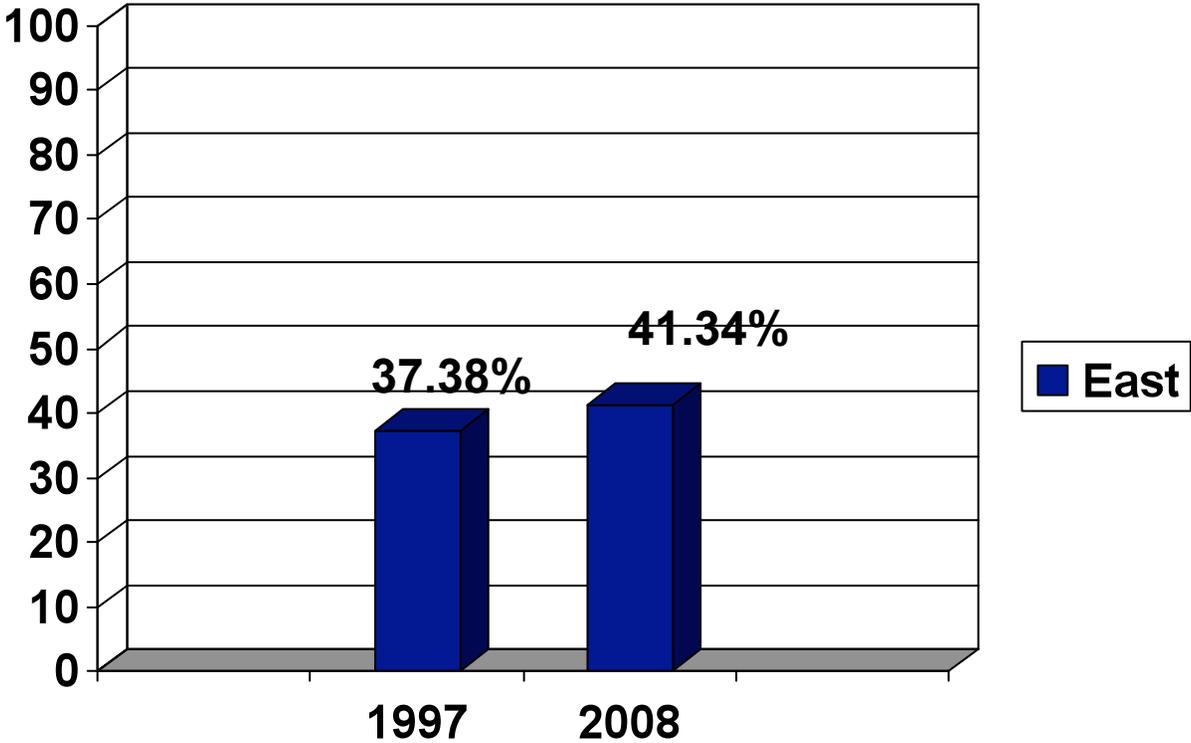
Import Penetration Rate – 334413 – Semiconductors & Related Devices 1997-2008

Source: Calculated from Census Bureau Data



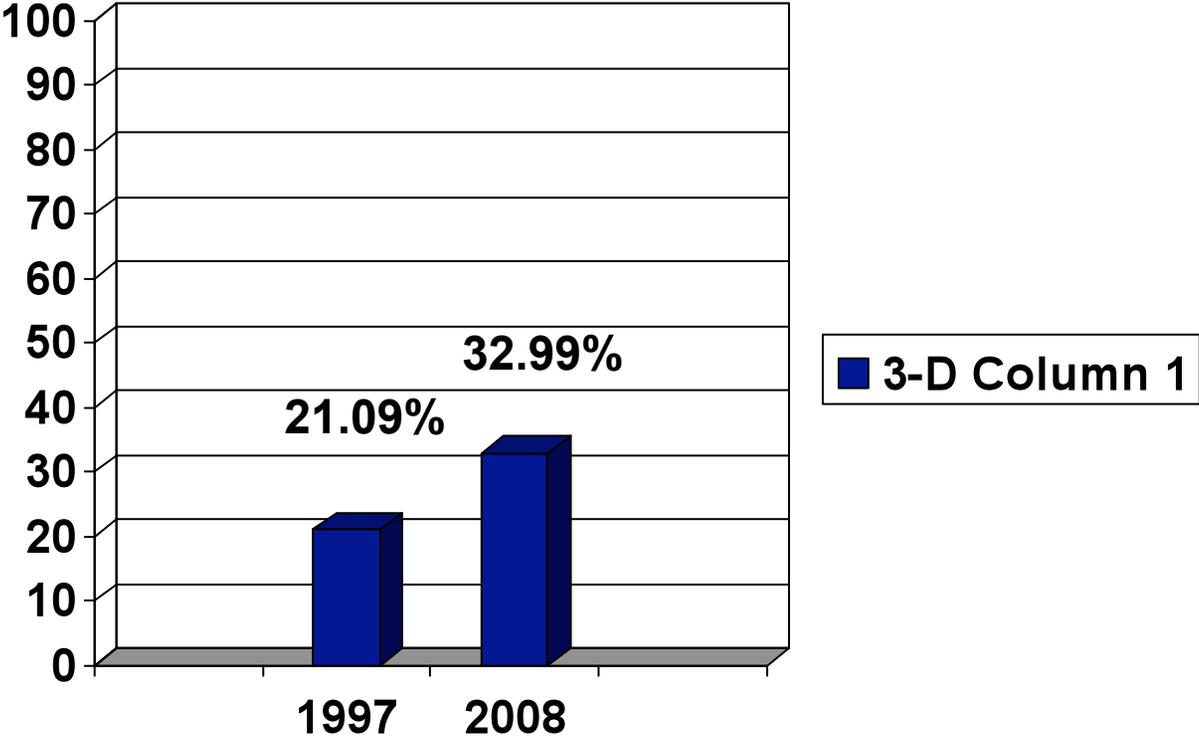
Import Penetration Rate, Printed Circuit Assemblies 1997-2008

Source: Calculated from Census Bureau Data



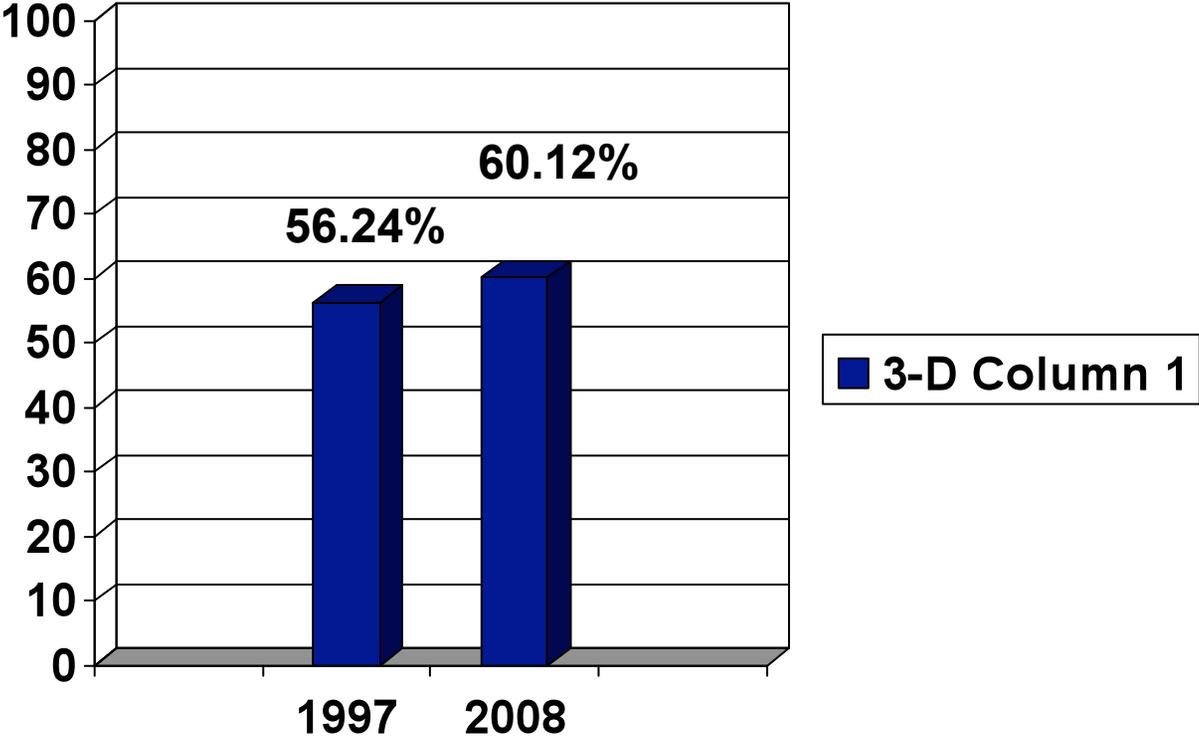
Import Penetration Rate, Printed Circuit Boards 1997-2008

Source: Calculated from Census Bureau Data



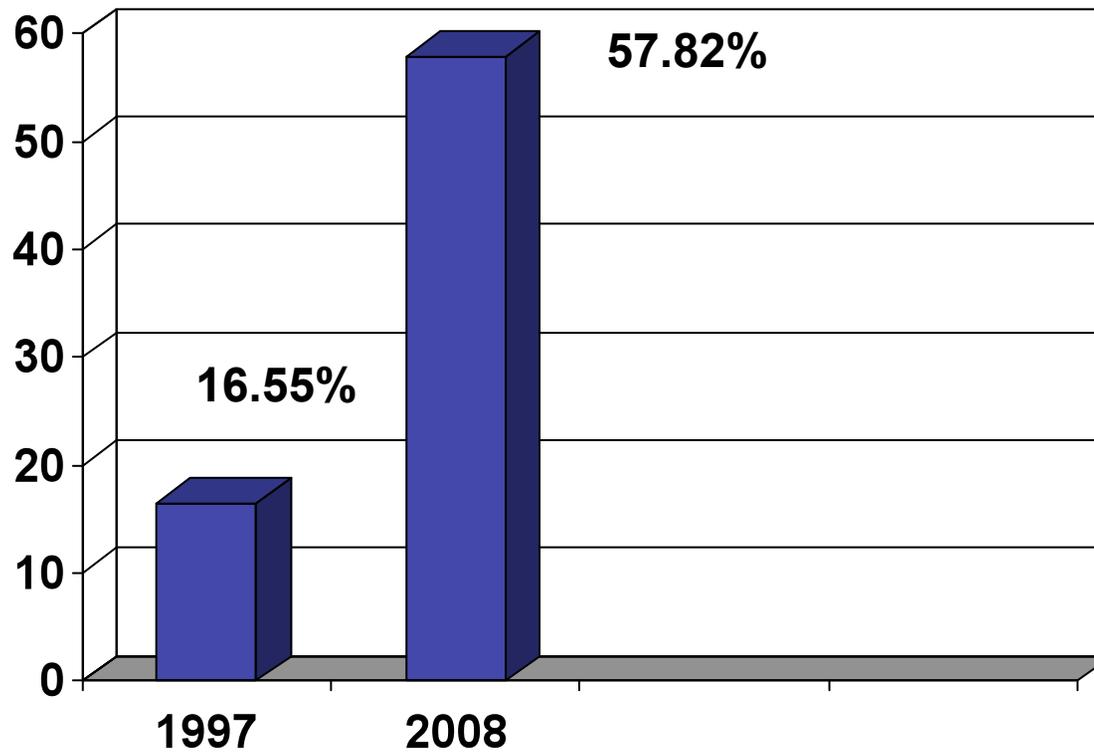
Import Penetration Rate, Miscellaneous Electronic Components, 1997-2008

Source: Calculated from Census Bureau Data



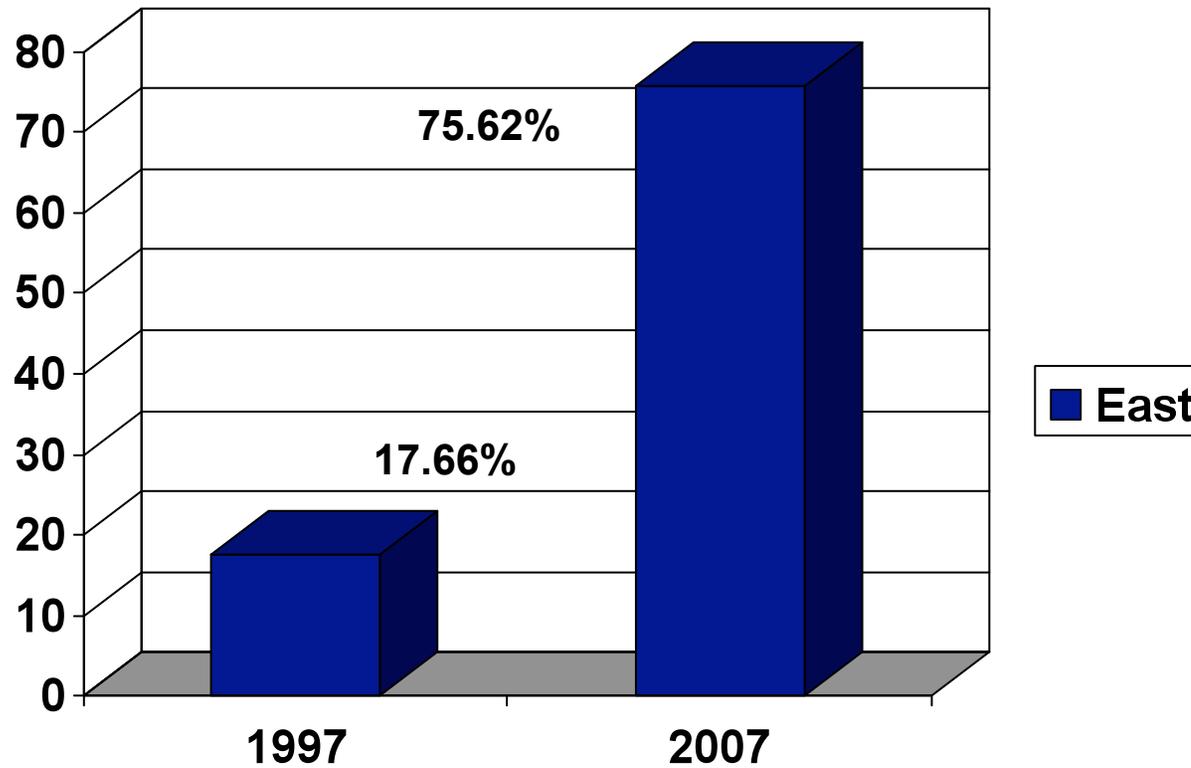
Import Penetration Rate, Broadcast & Wireless Communications Devices, 1997-2008

Source: Calculated from Census Bureau Data



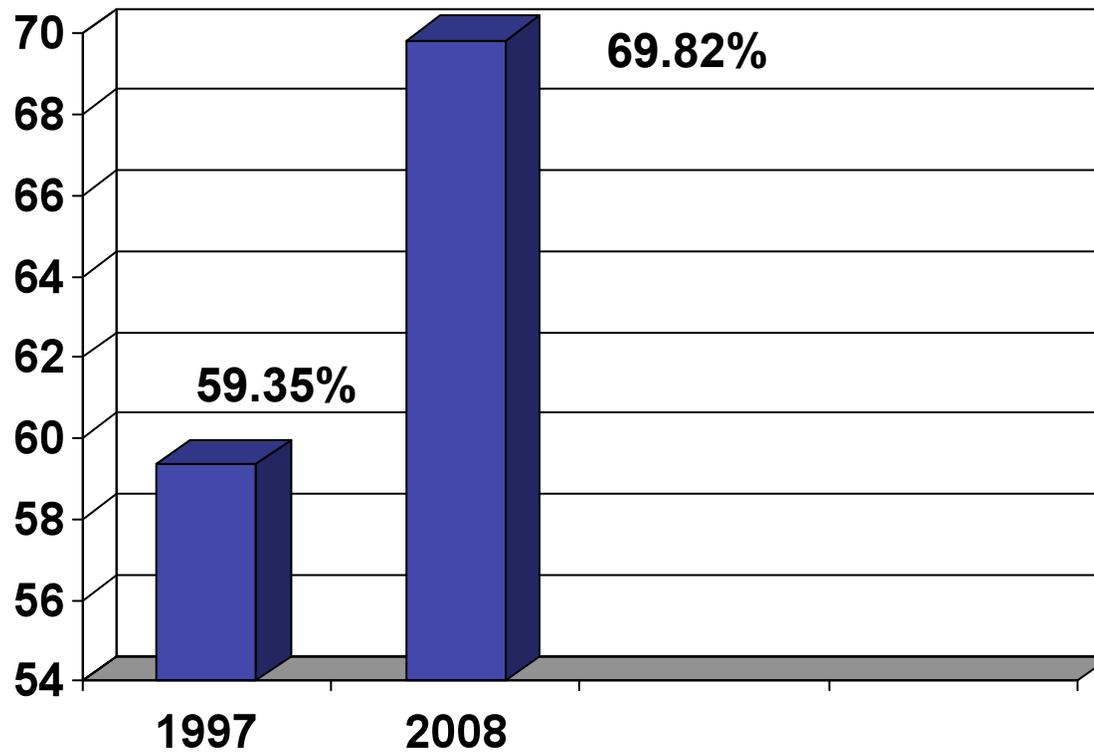
Import Penetration Rate, Telephone Switch Apparatus 1997-2007

Source: Calculated from Census Bureau Data



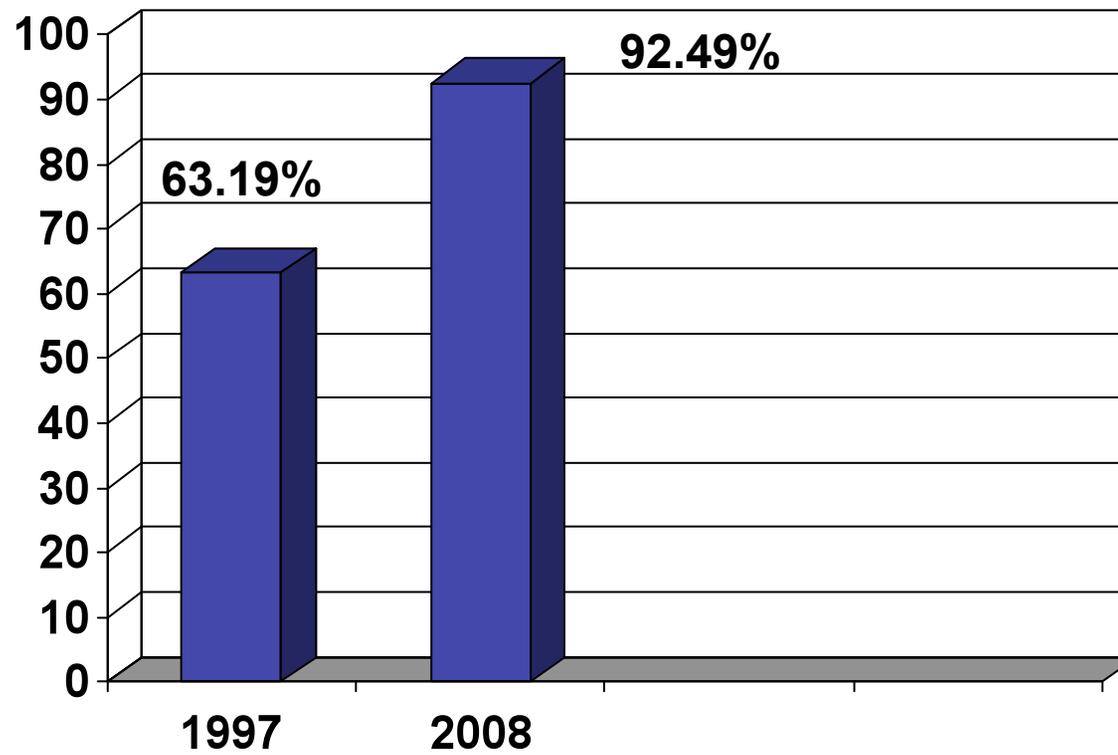
Import Penetration Rate, Metal-Cutting Machine Tools, 1997-2008

Source: Calculated from Census Bureau Data



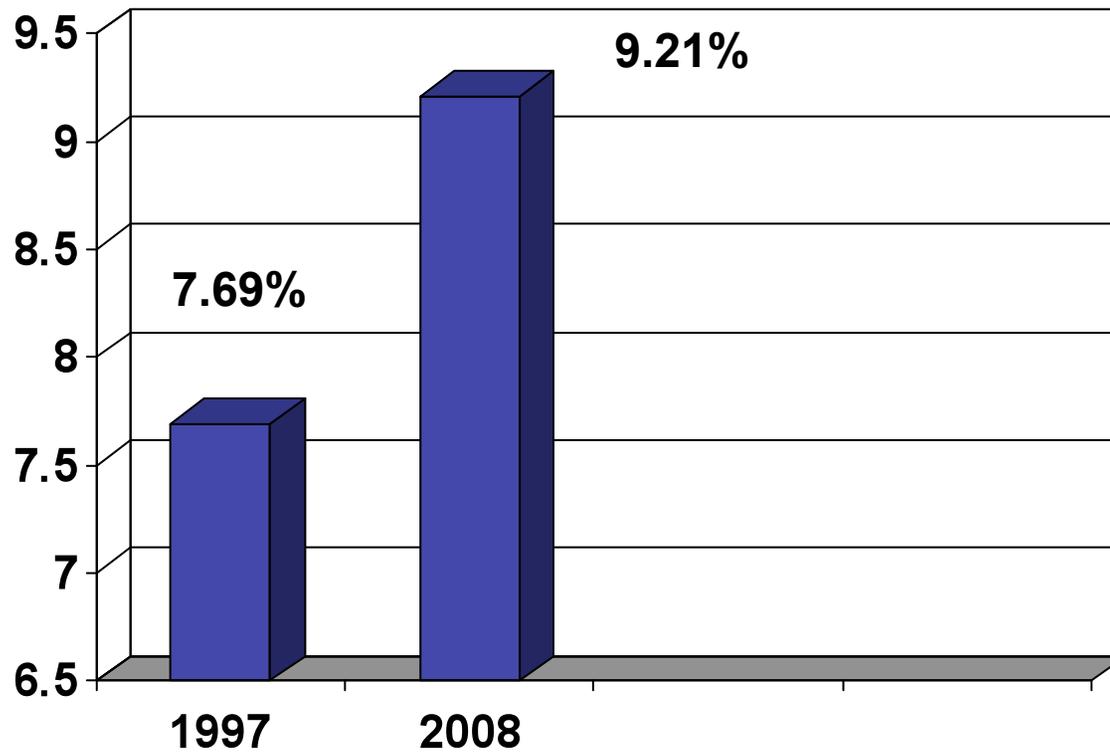
Import Penetration Rate, Metal-Forming Machine Tools, 1997-2008

Source: Calculated from Census Bureau Data



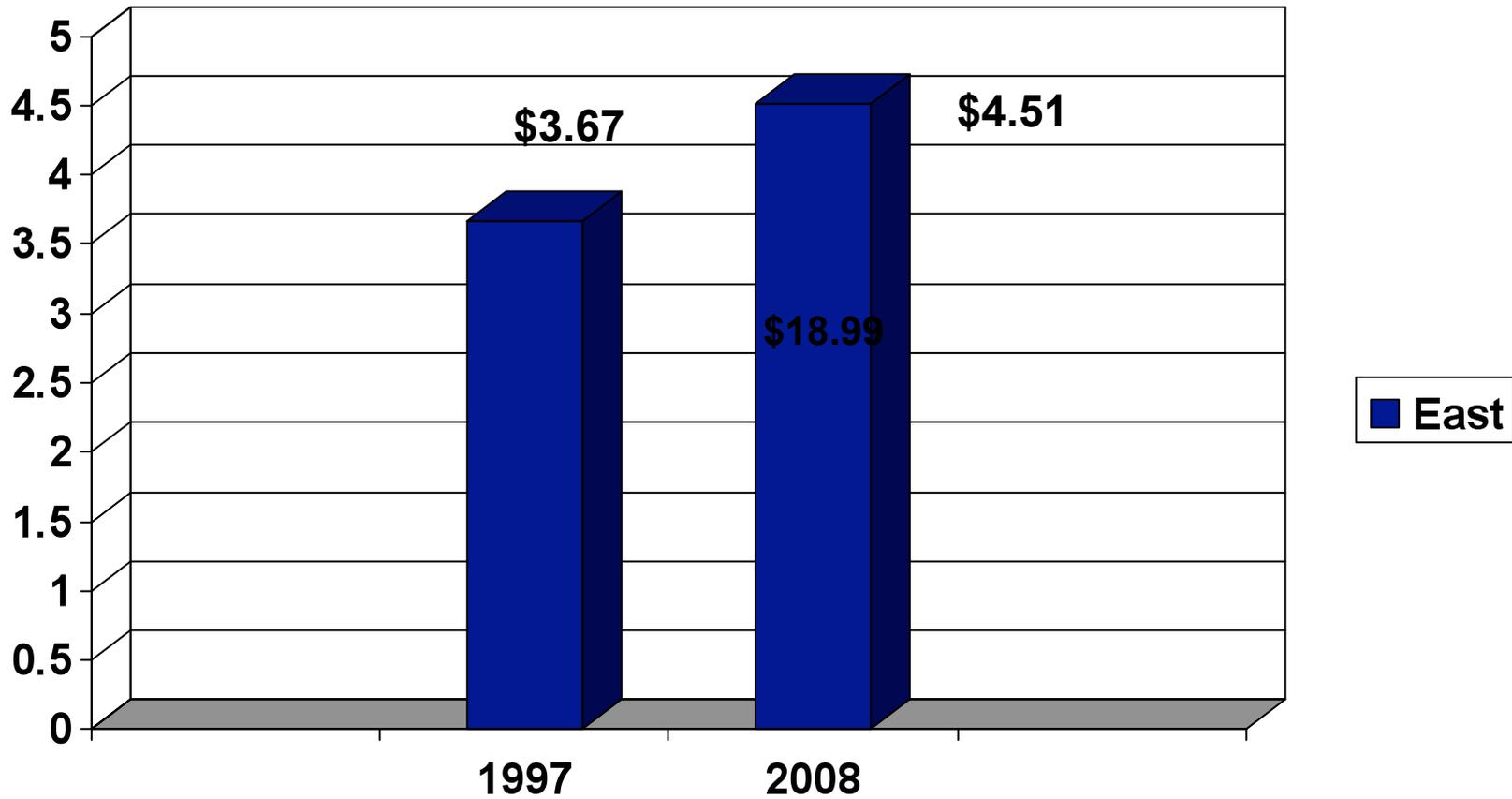
Import Penetration Rate, Special Tools, Dies, & Jigs, 1997-2008

Source: Calculated from Census Bureau Data



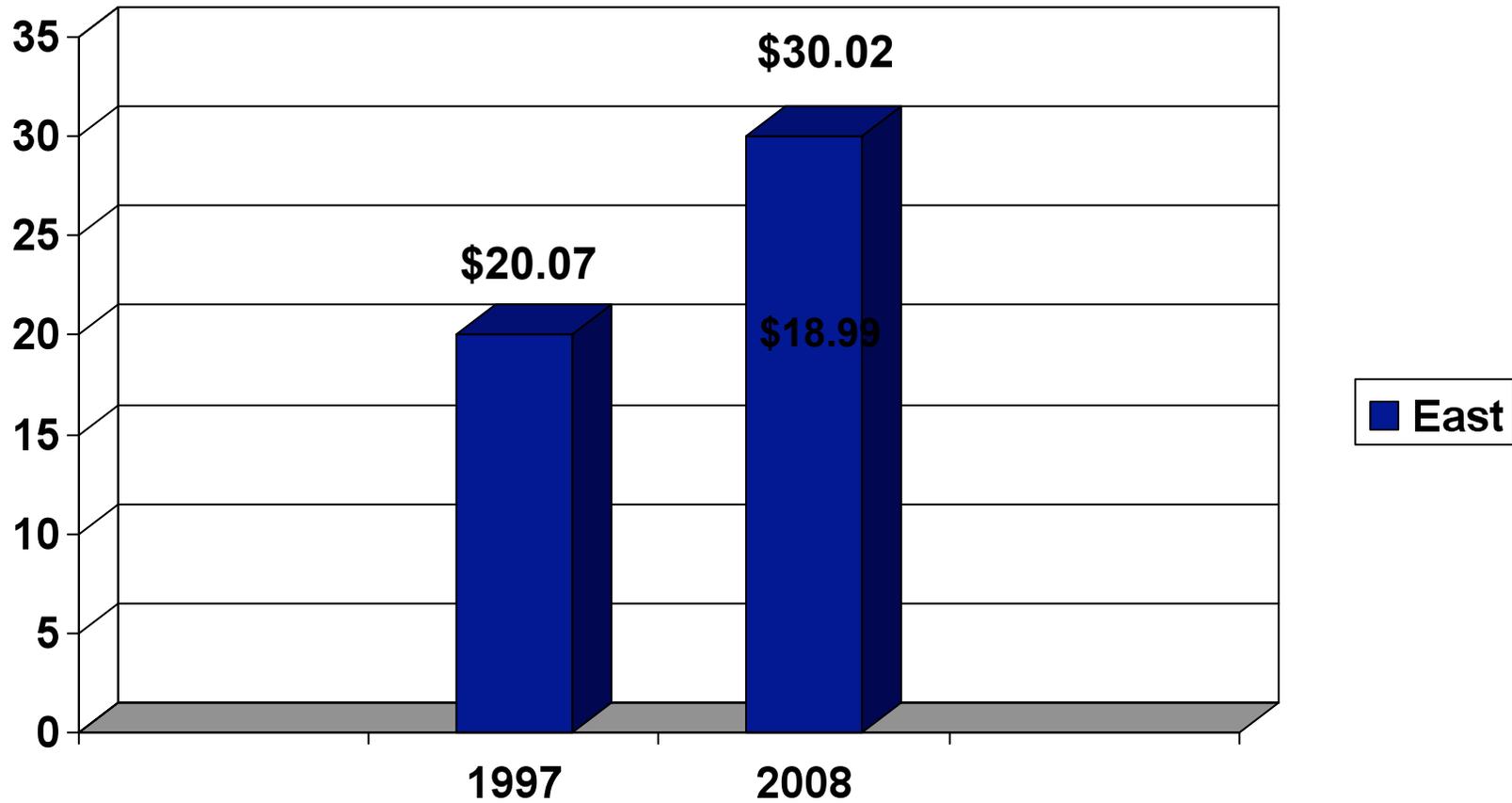
Product Shipments (Trillions of Current \$) Manufacturing Total -- 1997-2008

Source: Census Bureau



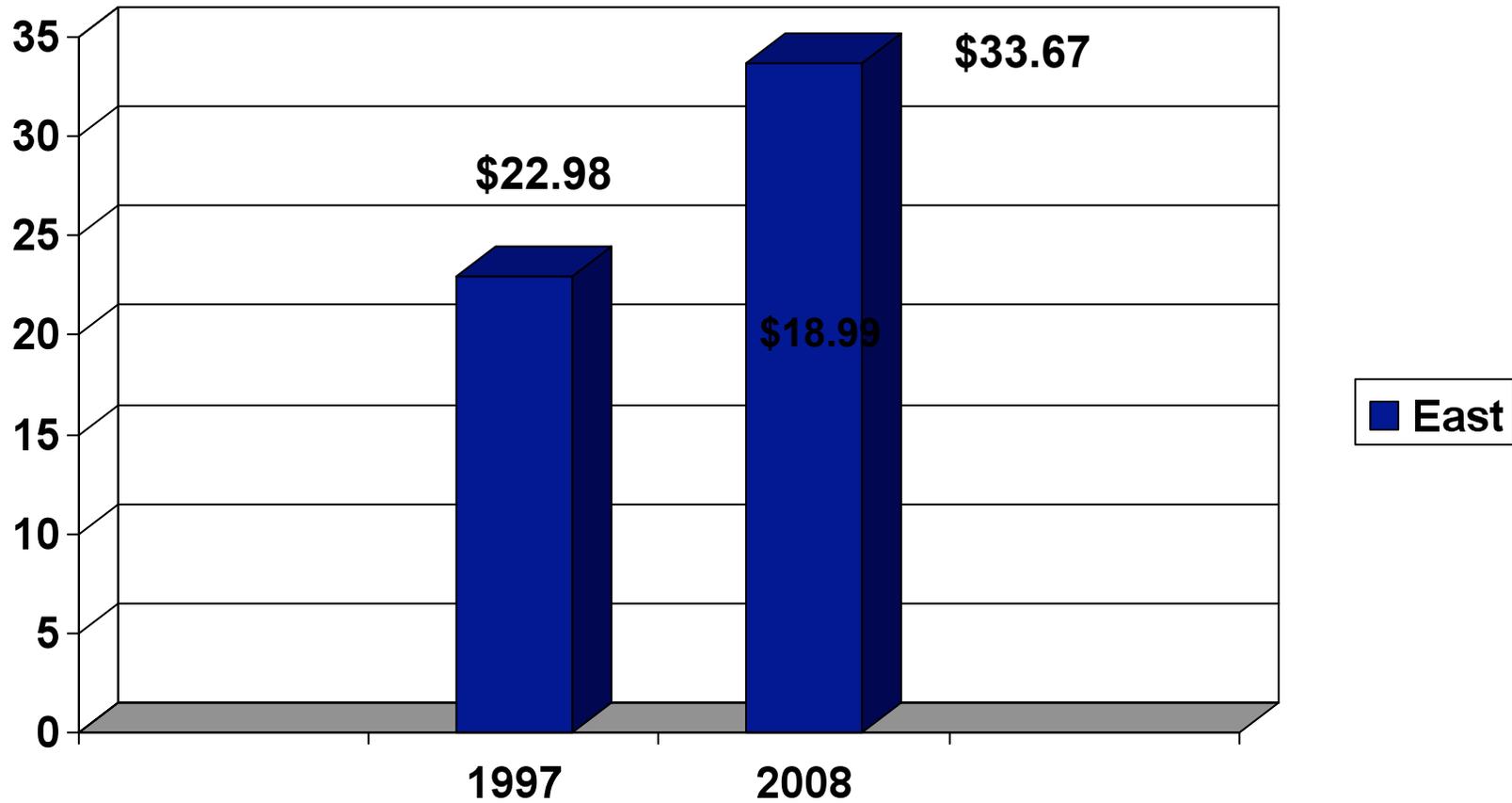
**Product Shipments (Billions of Current \$)
Aircraft Engines and Engine Parts
-- 1997-2008**

Source: Census Bureau



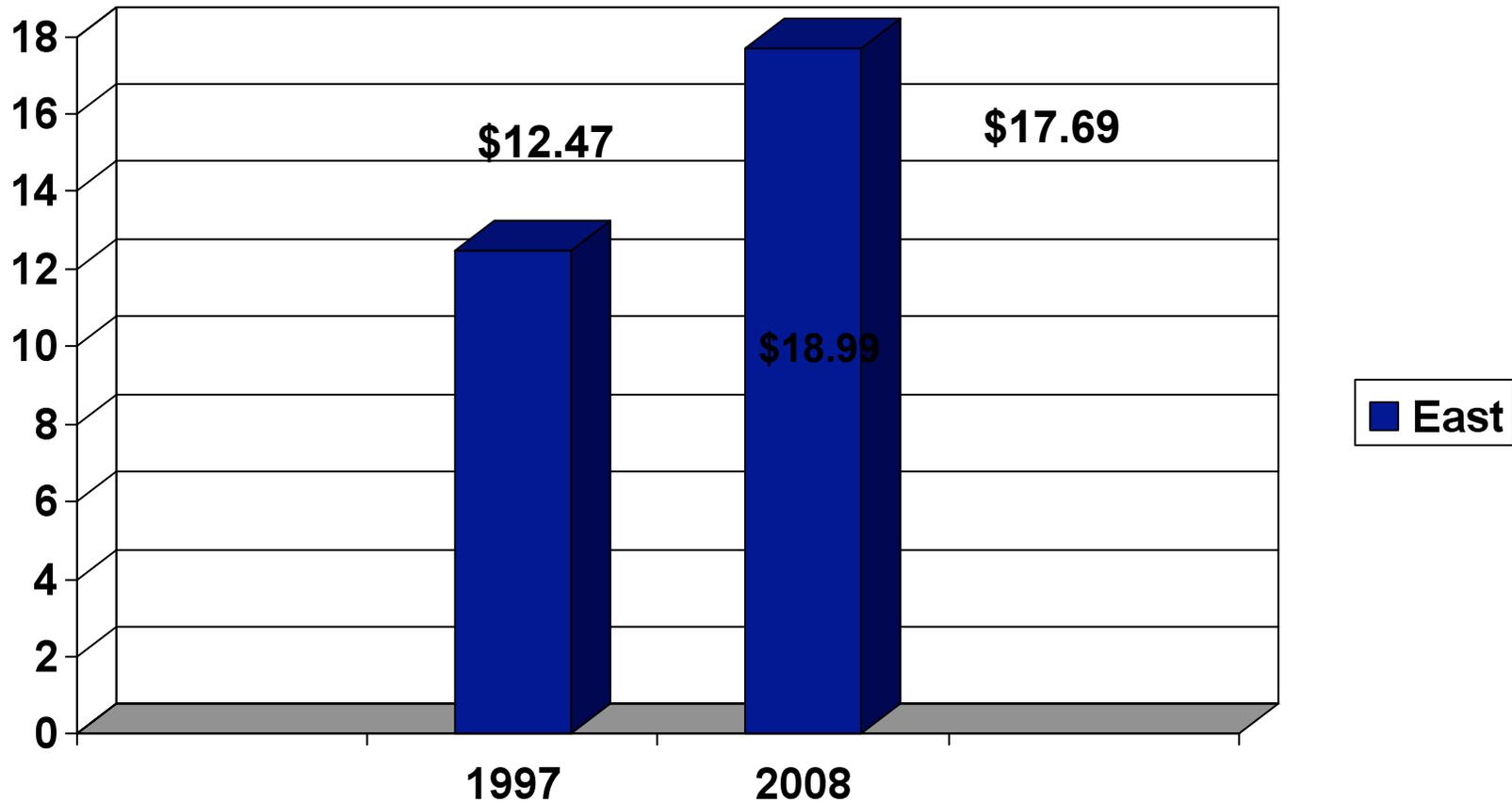
Product Shipments (Billions of Current \$) Non-engine Aircraft Parts -- 1997-2008

Source: Census Bureau



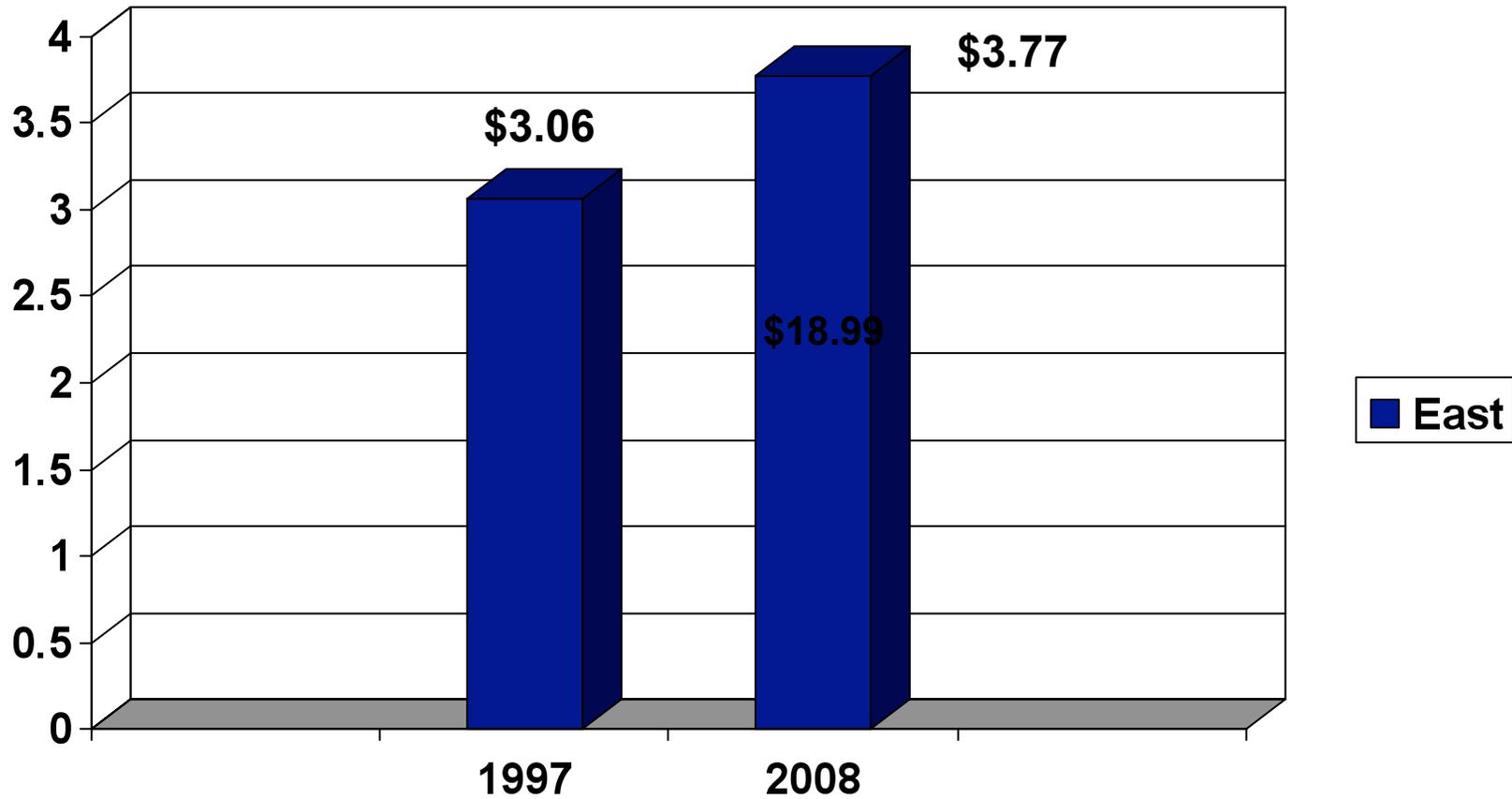
Product Shipments (Billions of Current \$) Guided Missiles and Space Vehicles -- 1997-2008

Source: Census Bureau



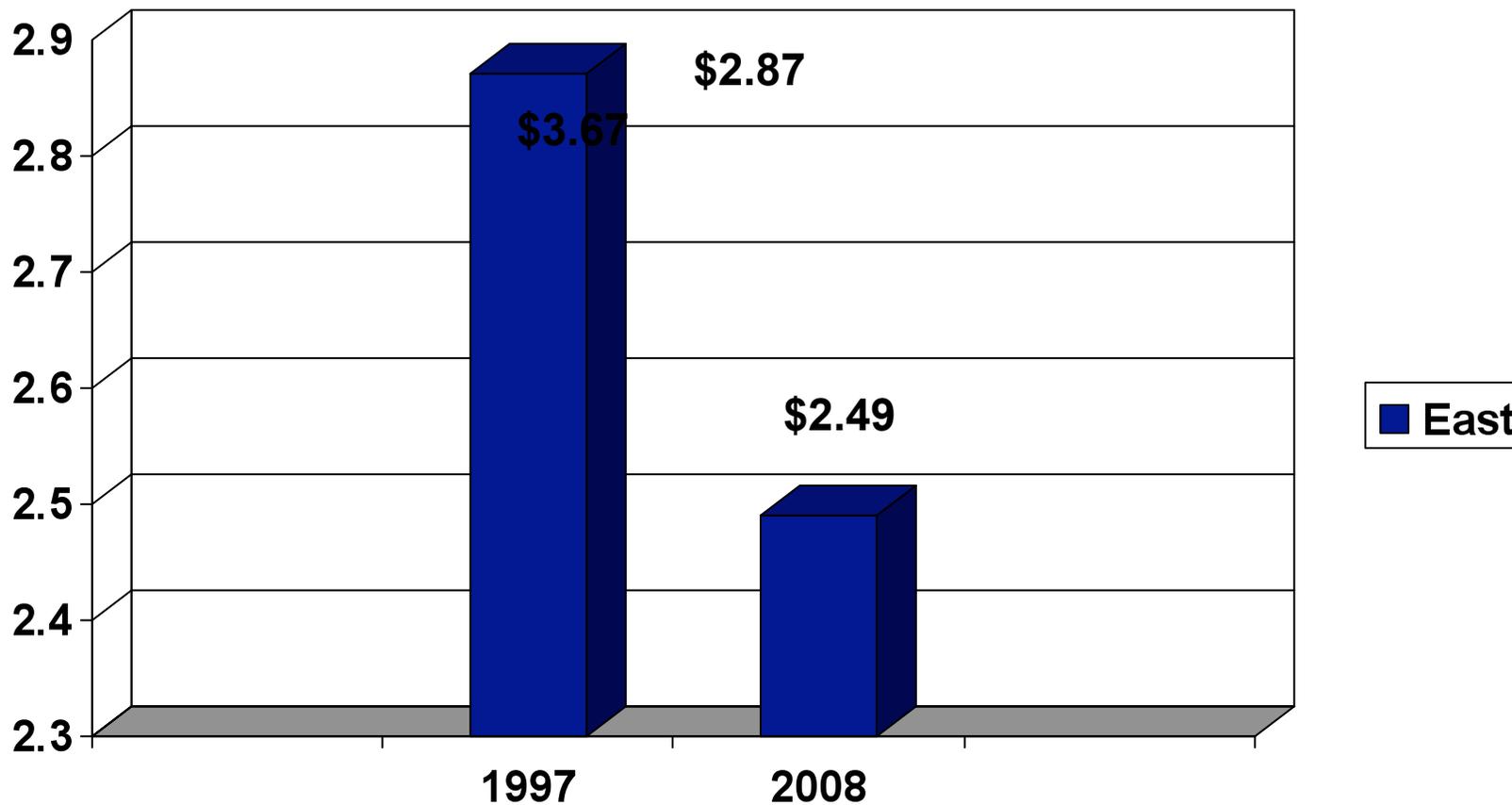
Product Shipments (Billions of Current \$) Guided Missile and Space Vehicle Propulsion Units and Parts -- 1997-2008

Source: Census Bureau



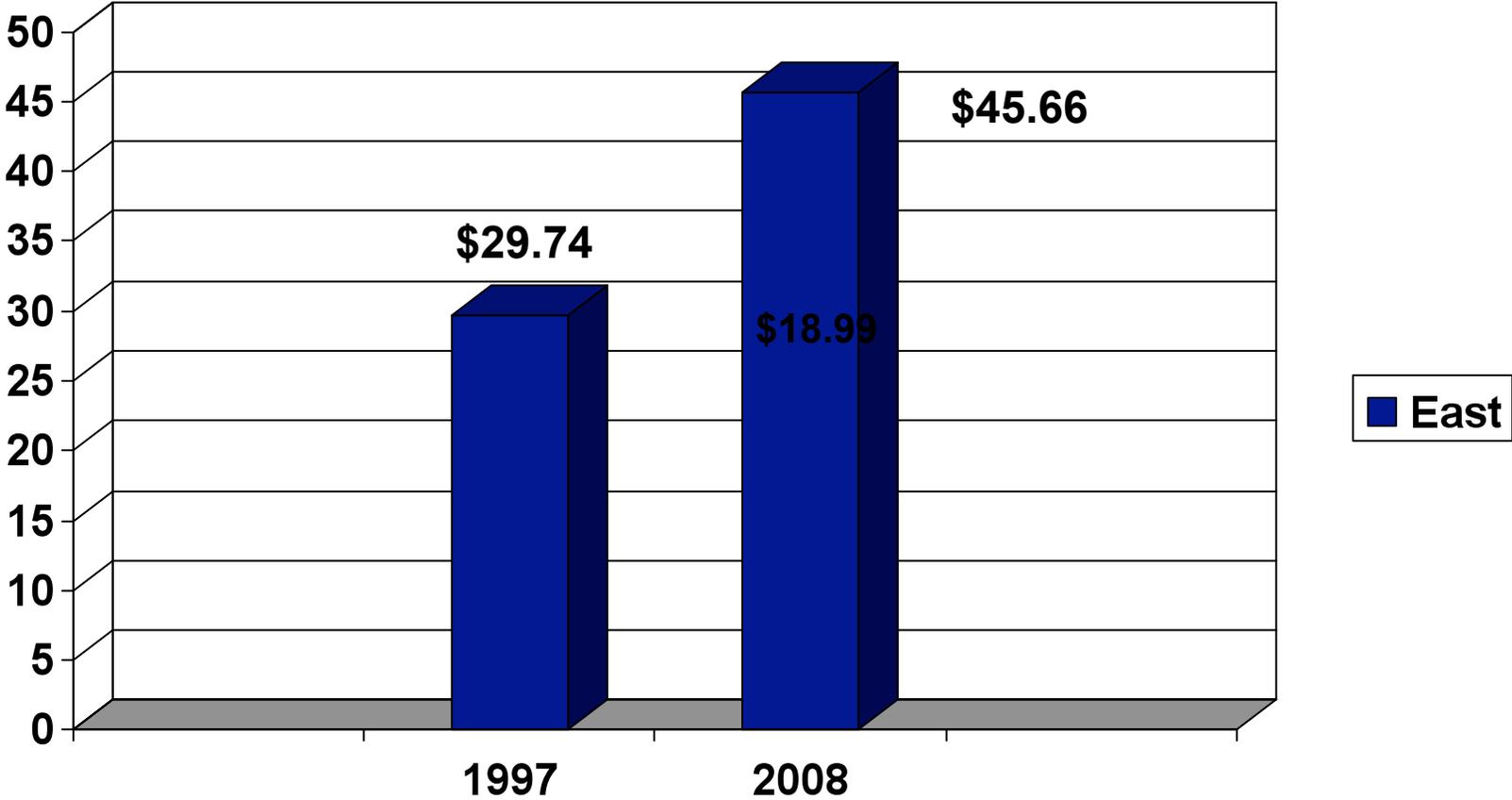
Product Shipments (Billions of Current \$) Guided Missile and Space Vehicle Non-Propulsion Parts -- 1997-2008

Source: Census Bureau



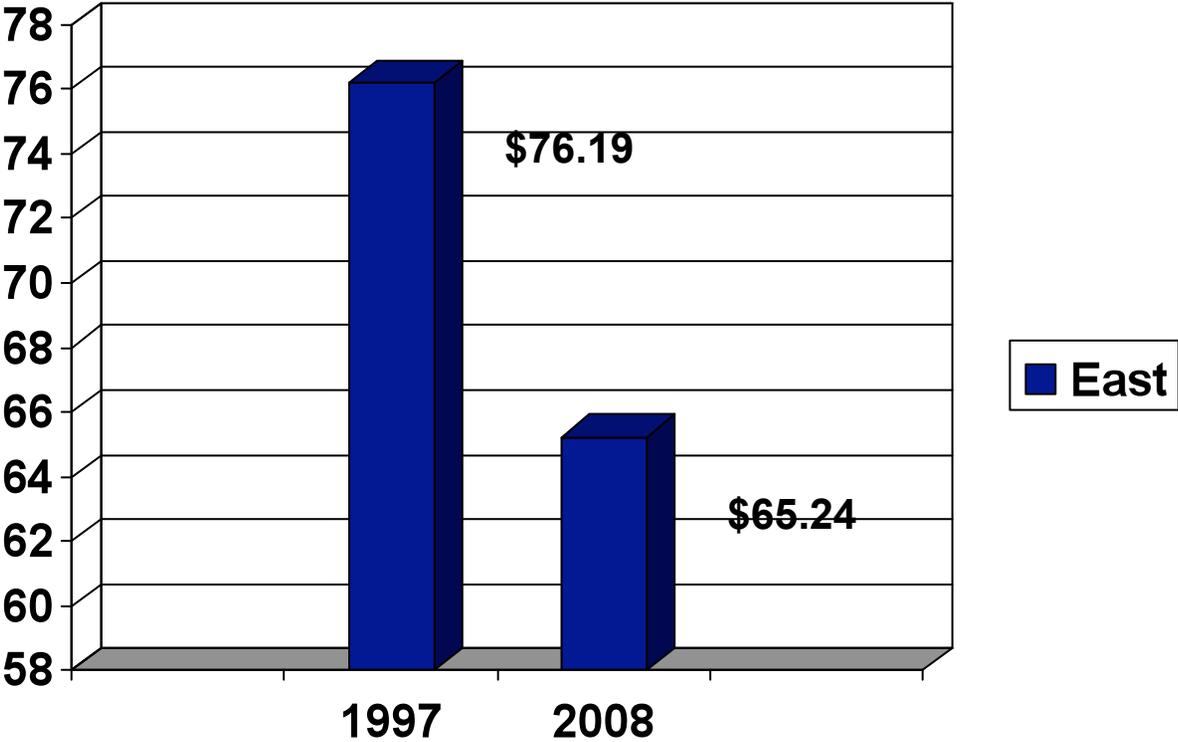
**Product Shipments (Billions of Current \$)
Search, Detection, Navigation, Guidance, and Control Instruments
-- 1997-2008**

Source: Census Bureau



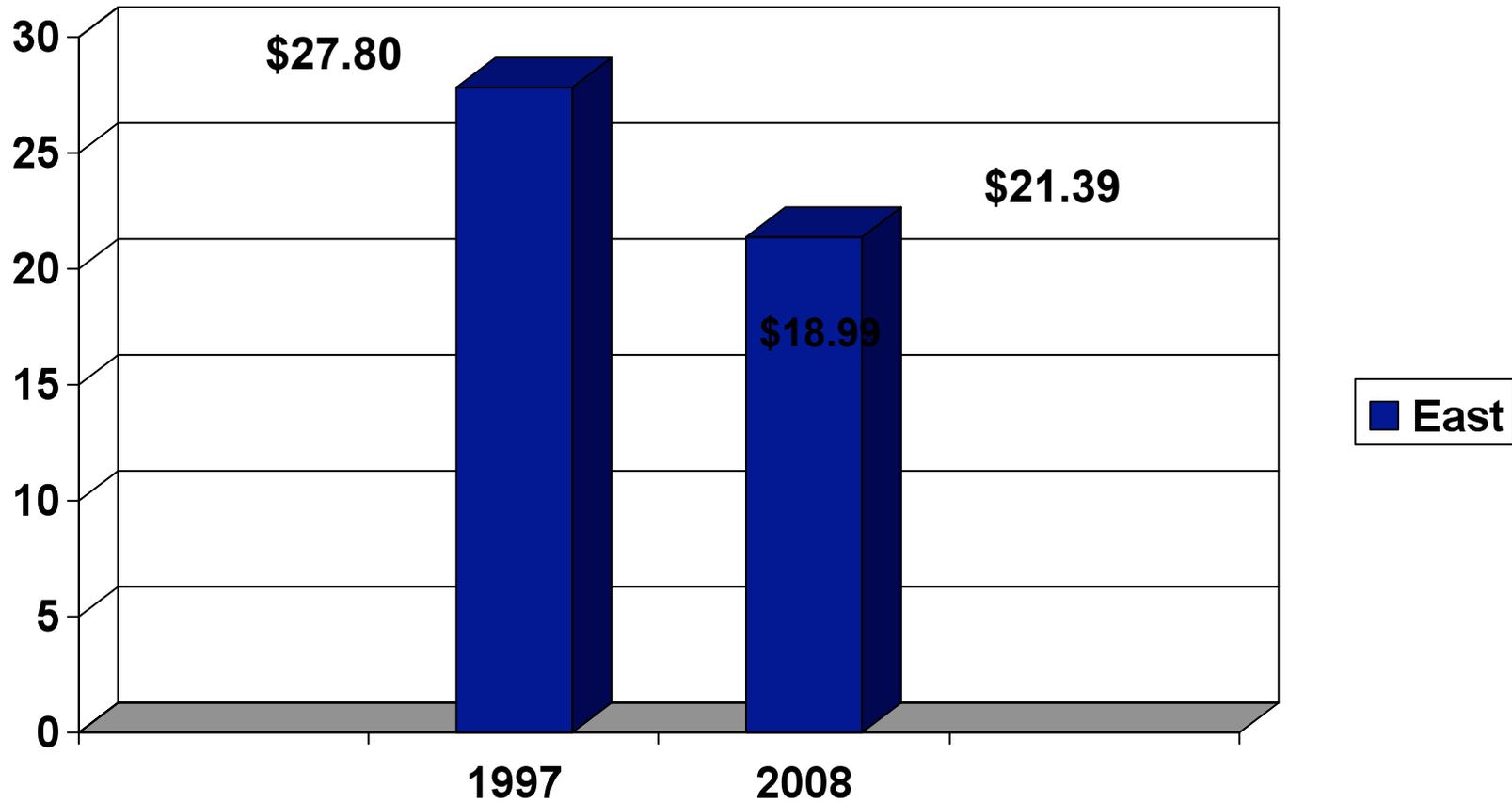
Product Shipments (Billions of Current \$) Semiconductors & Related devices – 1997-2008

Source: Census Bureau Data



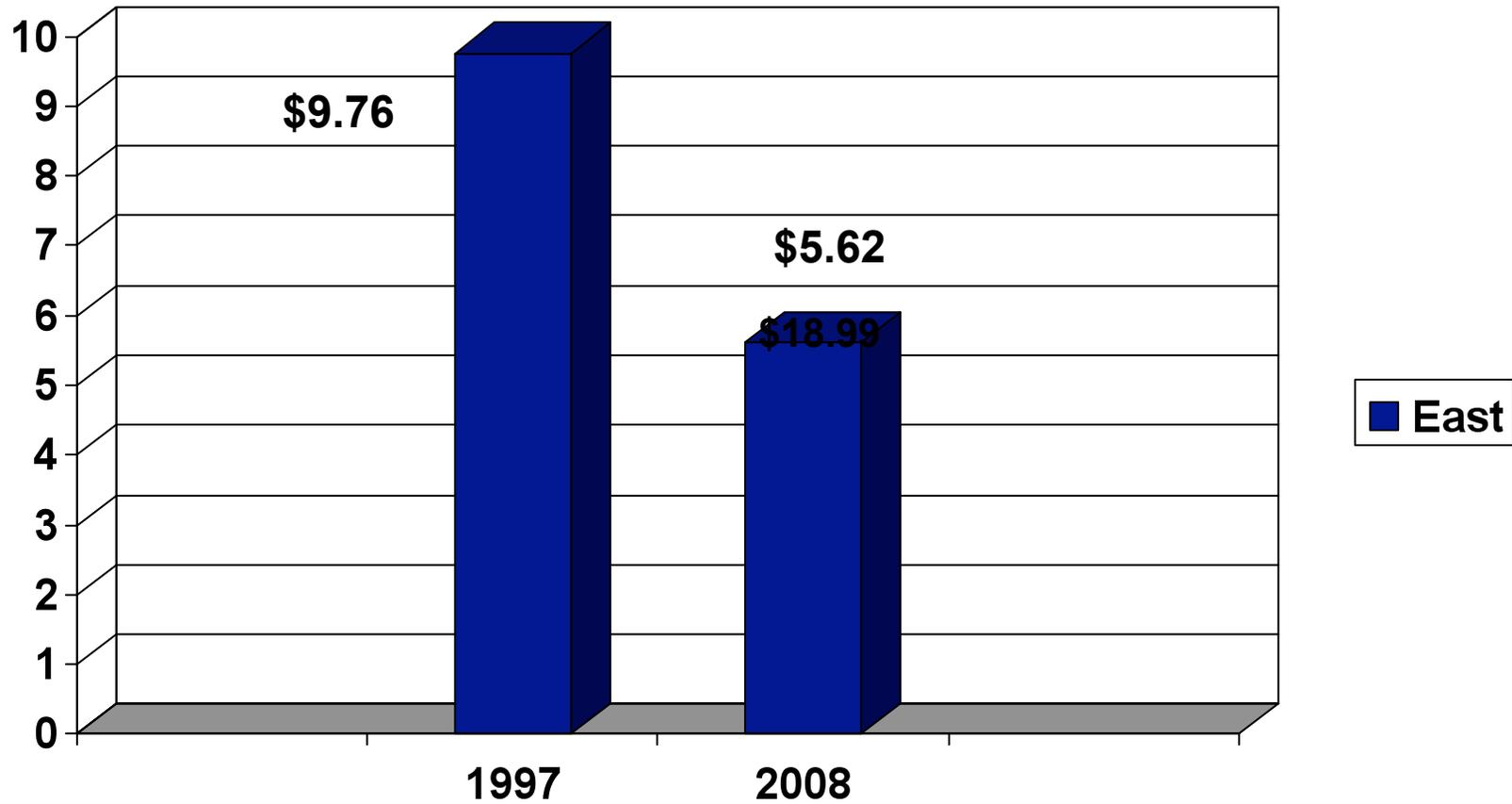
Product Shipments (Billions of Current \$) Printed Circuit Assemblies -- 1997-2008

Source: Census Bureau



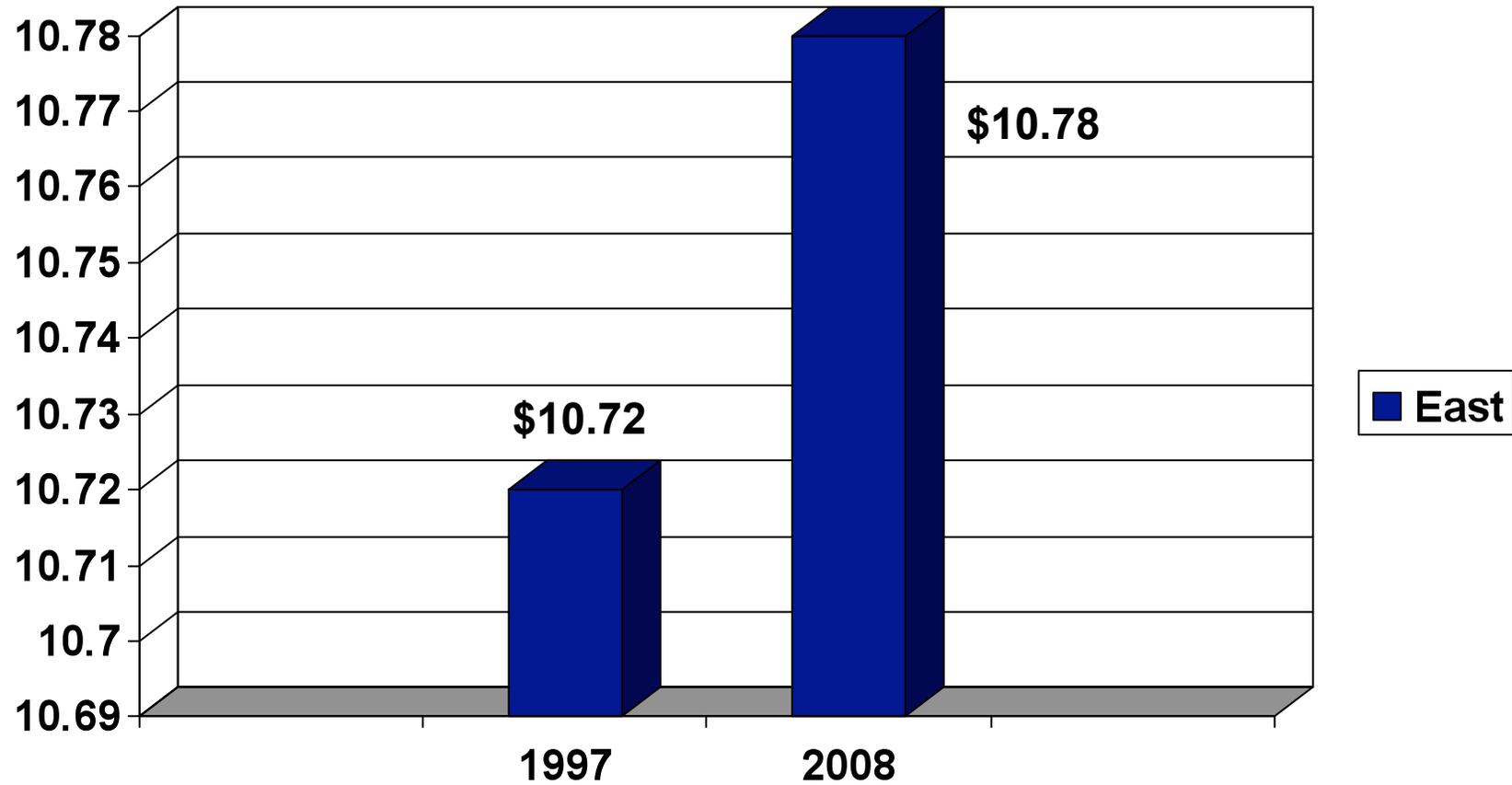
Product Shipments (Billions of Current \$) Printed Circuit Boards -- 1997-2008

Source: Census Bureau



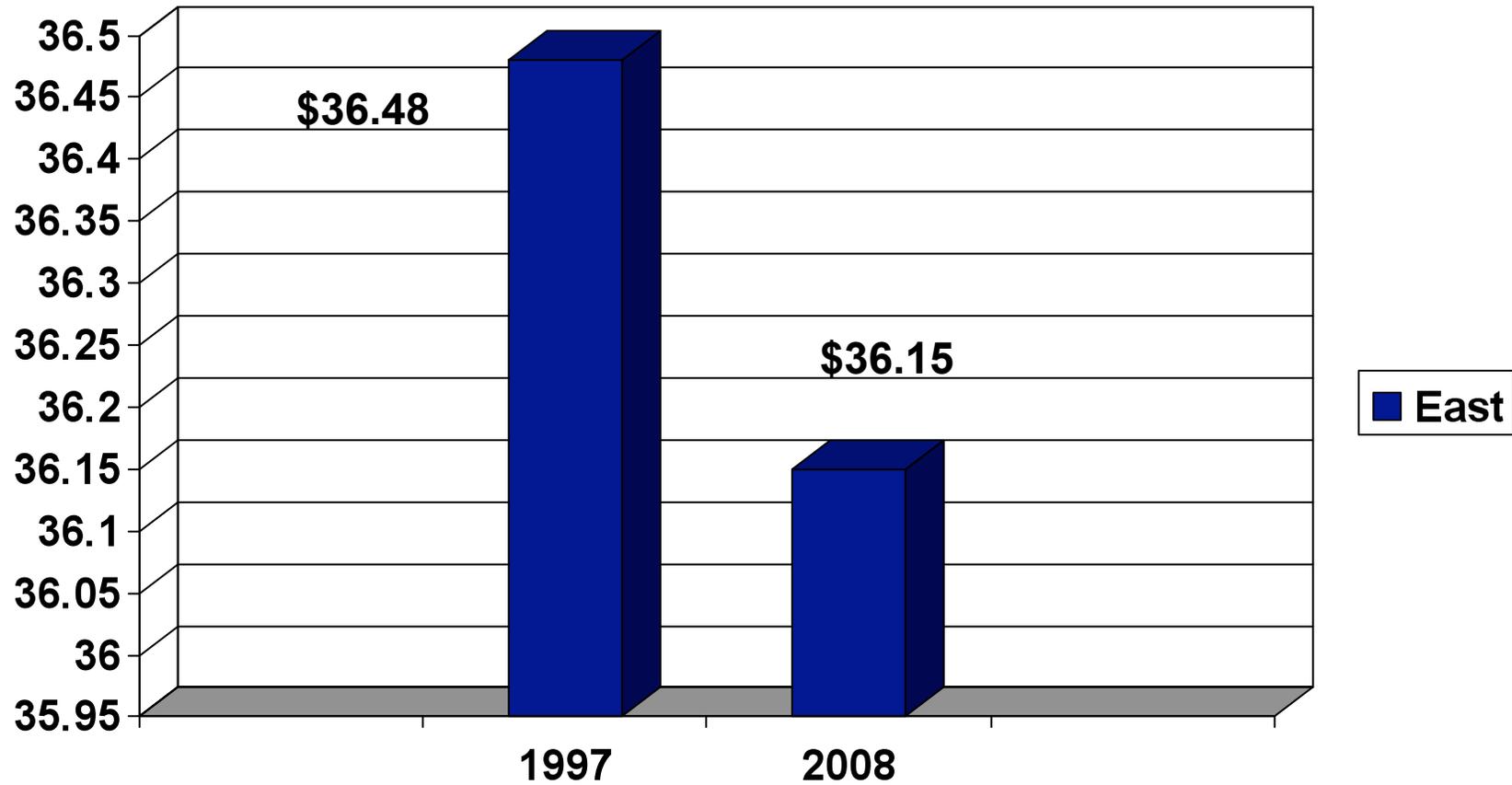
Product Shipments (Billions of Current \$) Miscellaneous Electronic Components -- 1997-2008

Source: Census Bureau



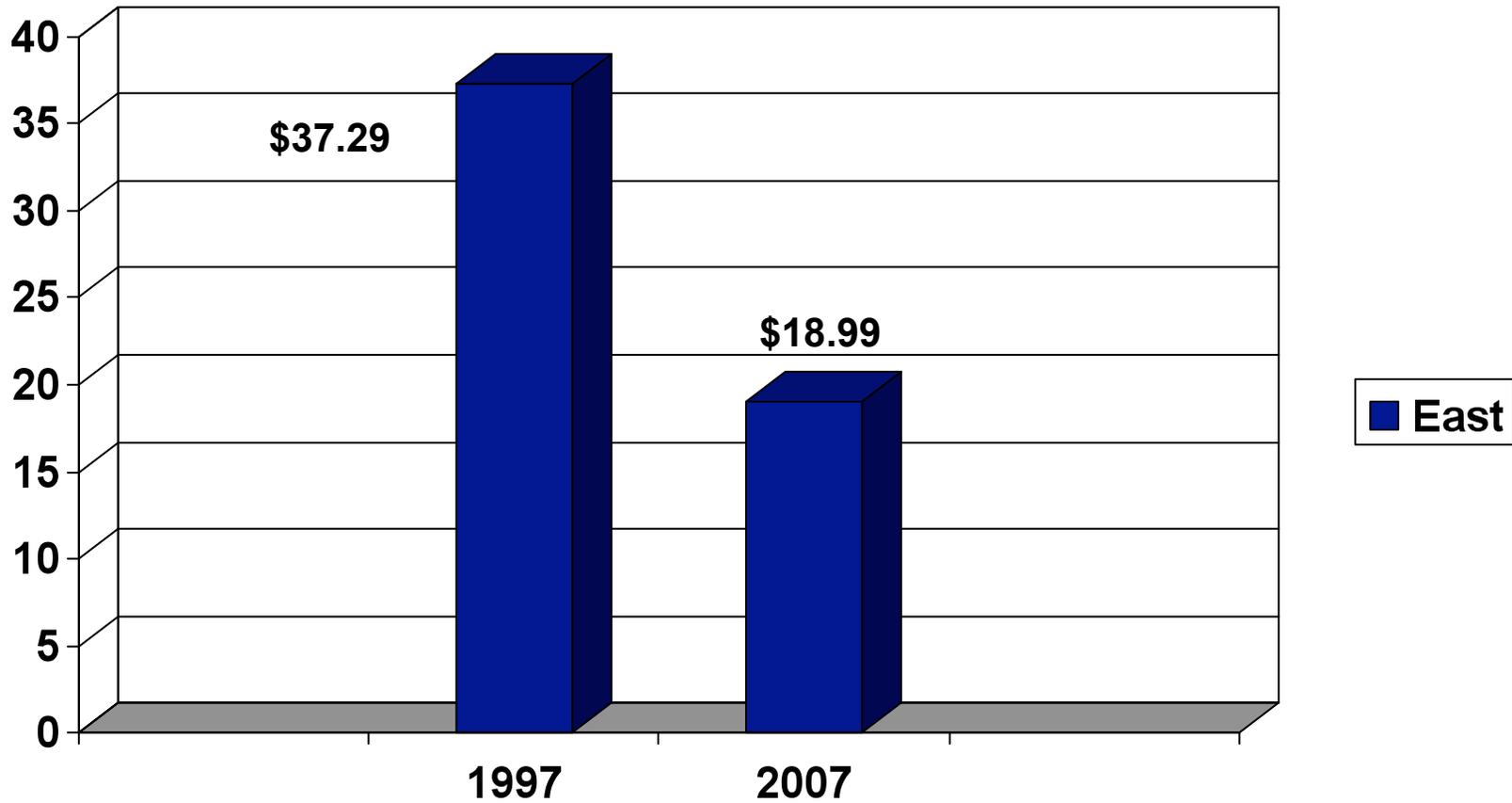
Product Shipments (Billions of Current \$) Broadcast and Wireless Communications Equipment -- 1997-2008

Source: Census Bureau



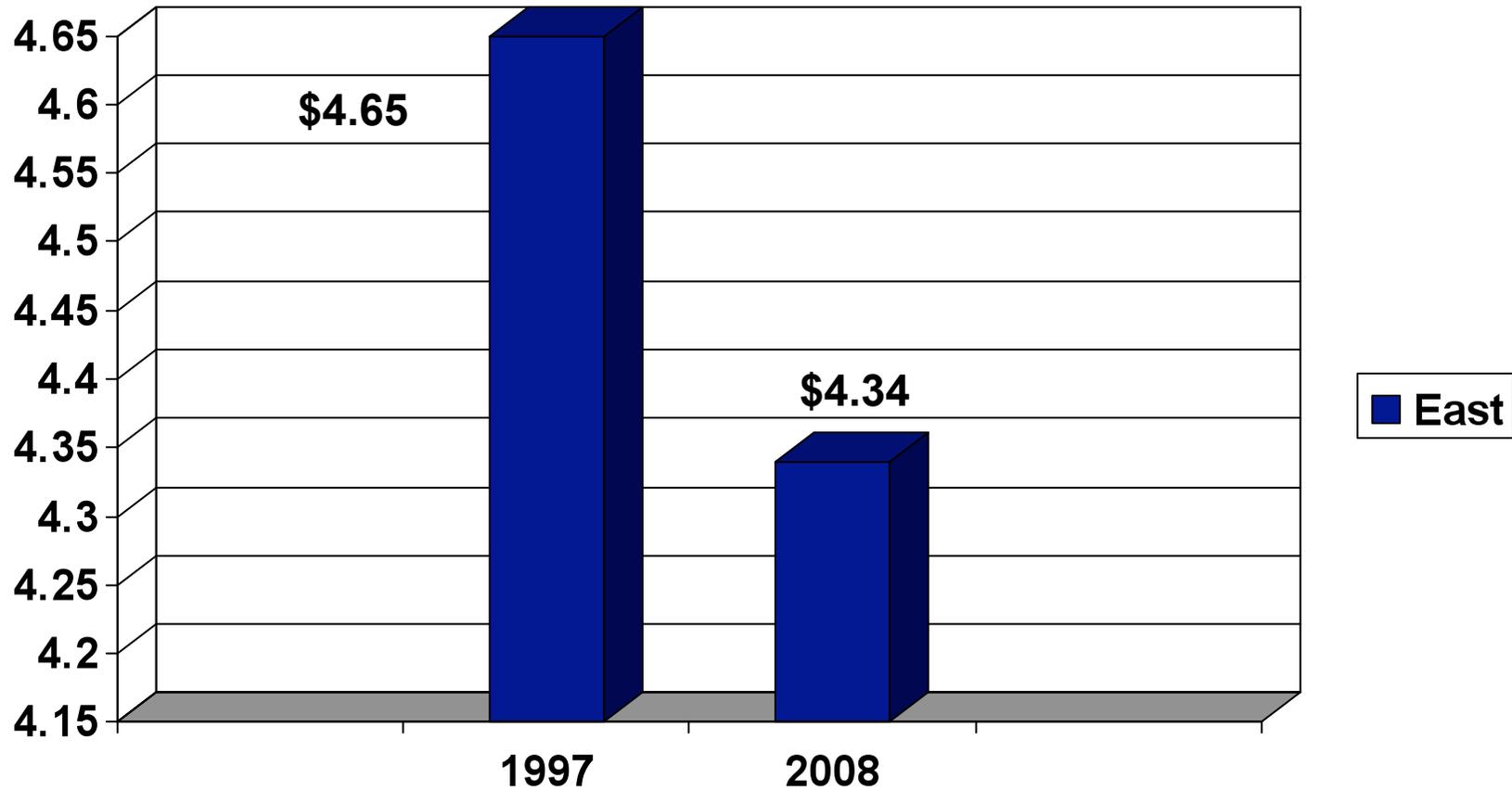
Product Shipments (Billions of Current \$) Telephone Switch Apparatus -- 1997-2007

Source: Census Bureau



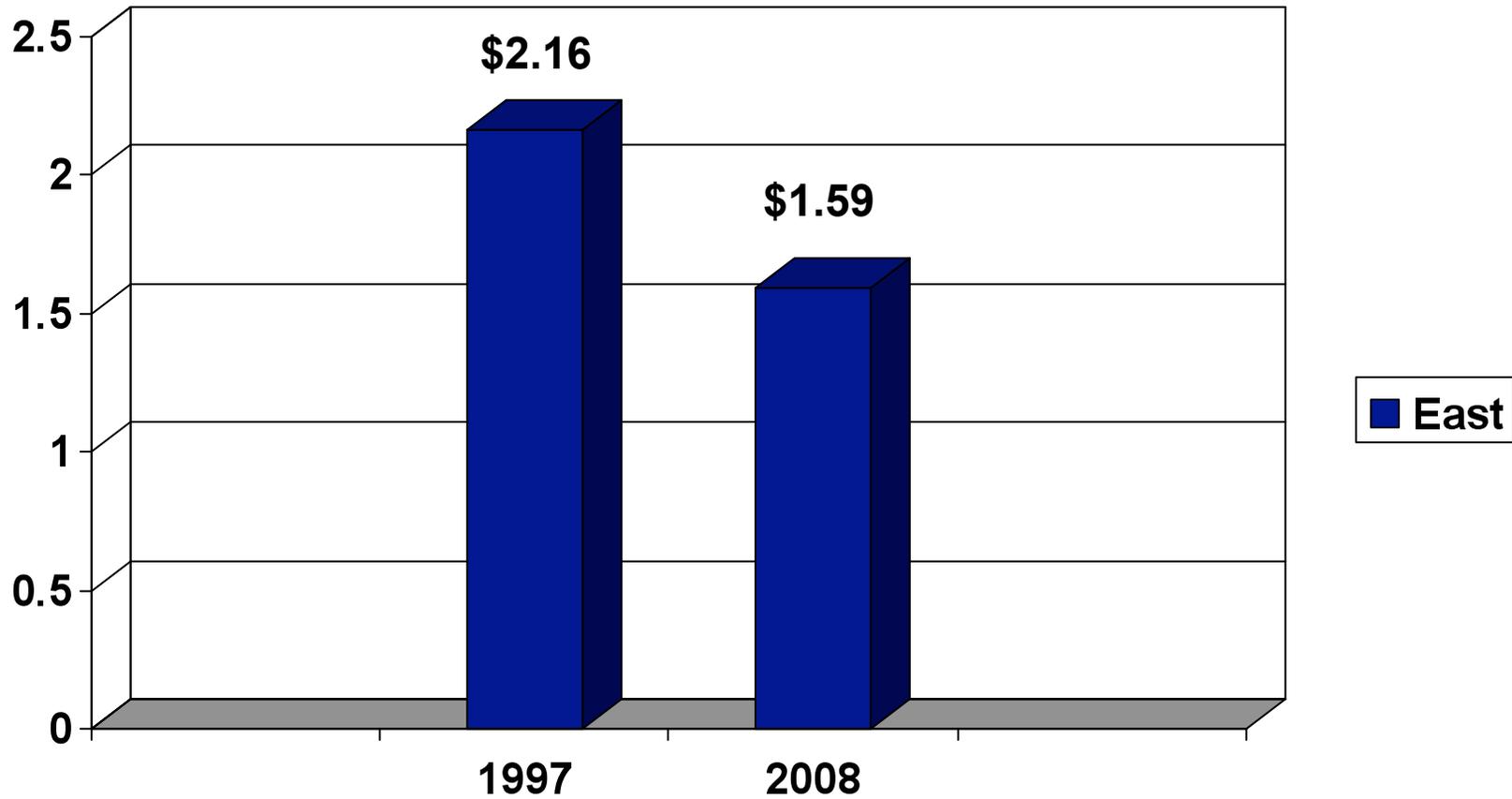
Product Shipments (Billions of Current \$) Metal-Cutting Machine Tools -- 1997-2008

Source: Census Bureau



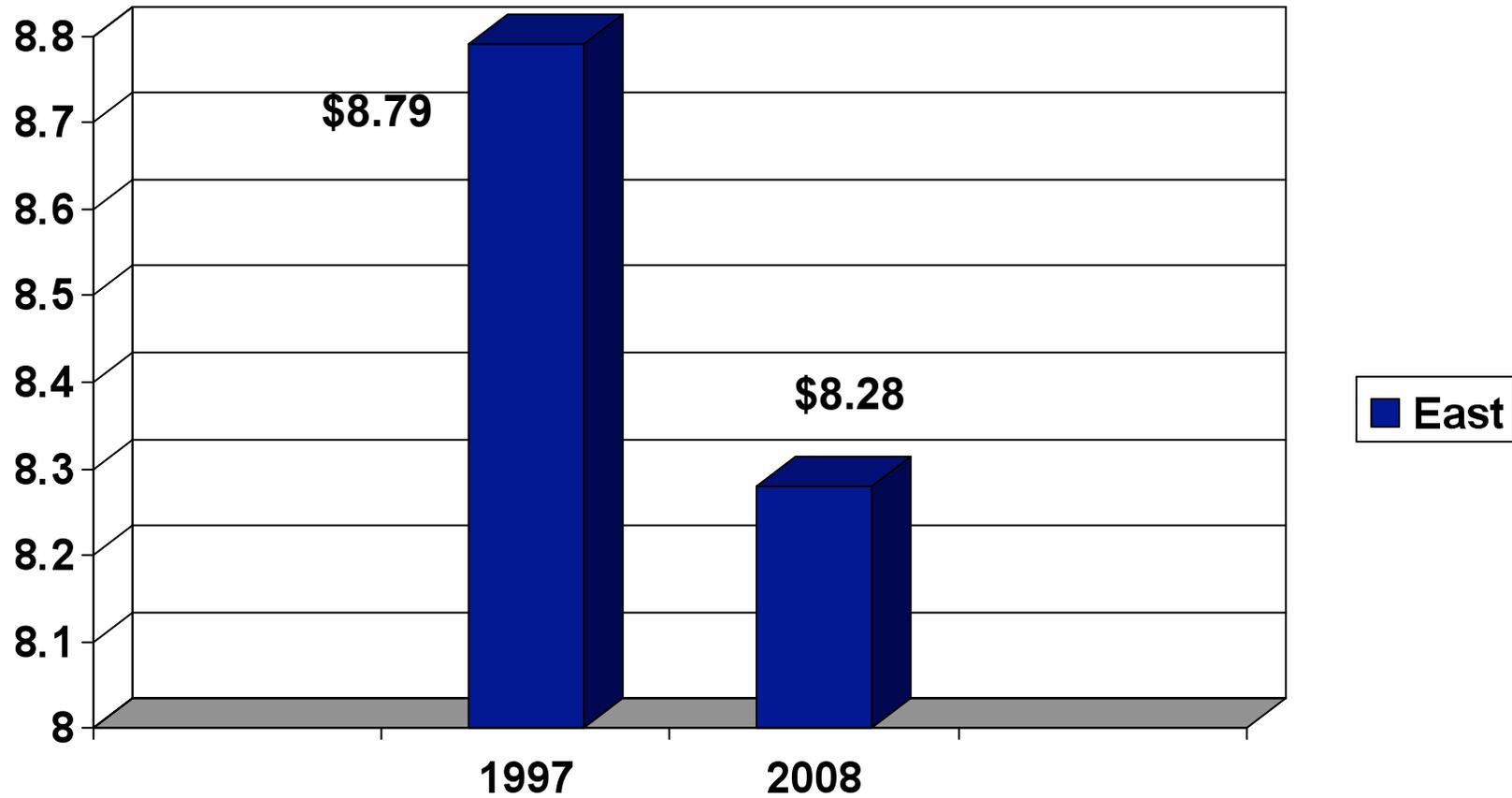
Product Shipments (Billions of Current \$) Metal-Forming Machine Tools-- 1997-2008

Source: Census Bureau



Product Shipments (Billions of Current \$) Special Dies, Tools, & Jigs -- 1997-2008

Source: Census Bureau



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